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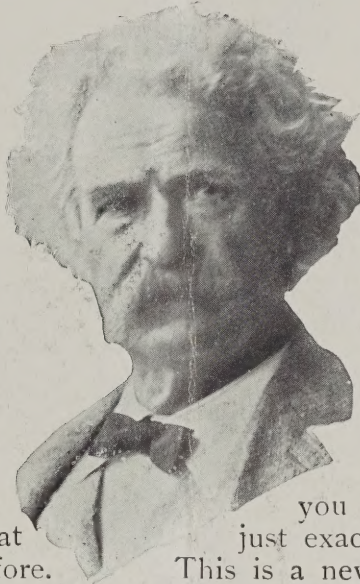
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THE INTERCOLLEGIATE

TOWNSEND BUILDING, 1123 BROADWAY, NEW YORK

An Illustrated Monthly Magazine Published in the Interest of
College Life and Athletics

Vol. XI.

FEBRUARY, 1911

No. 5

Printers' Ink at Harvard

By PLACIDUS MORGAN, Harvard

WHEREVER the intelligent young American goes, he must have his paper. If he turns farmer, he has his Agricultural Journals; as mechanic he has his Scientific Americans; as teacher he reads the Magazines of Pedagogy; as politician he writes for his Bingville Democrat, and as citizen he spills his breakfast coffee on the pages of the New York Moon. It is this desire for the reading and expressing of thoughts and opinions that has led to the founding of the 10,000 academic papers now published in the United States. Yale University led the way in the early forties, by establishing a monthly, the famous "Yale Lit.," that still endures and holds the

record among American literary publications for uninterrupted longevity. Since those days, many of the present leaders of literature have sharpened their wits and their pens in the columns of college papers.

No institution, however, presents a more interesting study in this connection than does Harvard. There the undergraduate has his pick of five distinct student papers, and the graduates disseminate their wisdom in the "Harvard Law Review," the "Harvard Theological Journal," the "Engineering Journal," the "Graduates' Magazine," the weekly "Bulletin," etc. Here we shall speak only of the undergraduate papers.

If the young L'Allegro has in him,



HARVARD PUBLICATIONS.

"Quips and cranks and wanton wiles,
Nods and becks and wreathed smiles,"
he devotes himself to the "Lampoon"; if he is looking for some acquaintance with the running of a daily paper, he "goes out for" the "Crimson"; should he be poetically or artistically gifted—in the judgment of the editors—he continues to contribute to the "Monthly" and the "Advocate"; and if he has the



"Are you going abroad on a fellowship?"
"No, on a cattle-ship."—*Lampoon.*

spirit of the critic, the energy of the analyst, the desire for a business training, he "runs" for the "Illustrated."

The "Lampoon" was started in 1876 by six undergraduates, one of whom was E. S. Martin, later a founder and editor of "Life." "Lampy," as it calls itself, and "Lame-Pun," as others nickname it, comes out every fortnight, provided the editors can scrape up enough jokes. The candidate who tries for the "Lampoon"—and it is rumored that four freshmen each year support the paper by their lucubrations—takes his life in his pocket, for the editors are no respecters of persons. Twice a week must the "punning drove" hie them to the sanctum sanctorum to yield up their labors. The blue-penciler sits him on his desk and scowls. Then he reads the shivering candidate's offering. Perhaps it runs thus:

Father—How did you get through your exams?

Son (lightly)—Oh, with Es, sir.

Down comes the blue pencil from that great man's callous ear as he hisses, "Thunder and blitzenheimer!

That's the seventeenth time within a week. Egad! What's this young generation's brain-power coming to? Bah!" Then he proceeds. His eye strikes this, possibly:

Brawn—Say, why don't you come out for the crew?

Browne—Well, don't chah know, I—er—nevah could ride backwa'ds.

Hereupon the editor forgets himself, and the candidate finds that night a hole in the seat of his trousers—and he can feel how he came by it!

With "the trenchant pencil and the sarcastic pen" "Lampy" falls upon everything and everyone. Professor Hugo Munsterberg, the famous psychologist, becomes the Monster Bug or Monster Brag, and his Teutonic tongue is taken off in some such way as "In short, shentlemen, die phusio-antagonistic consciousness is eider in der bersonality dus analyzed, or not in der nerbous imbulses of de mental discharges of our brain. (Snores everywhere.)"

In nearly every number there appear a couple of pictures or sallies on Professor Byron S. Hurlbut, the dean of the college. His office is pictured as a den for erring freshmen, and the dean as a spider waiting for his prey. But, in reality, Professor Hurlbut is one of the most popular men in Cambridge—and justly. Yet "Lampy" dearly loves such a jest as this: "Wanted—A deaf, dumb and blind Lampoon board. B. S. Hellbite."

Professor Bierwirth, of the German Department, comes in for his share of darts. "Lampy" asserts that he writes a new book every half-year and urges the members of his classes to buy them all. We have "Bierwirth's Elementary German, Bierwirth's Advanced German, Bierwirth's Elementary and Advanced German, Bierwirth's Advanced and Elementary German, Bierwirth's Intermediate German"—and so on ad infinitum. Then the great Barret Wendell, of international literary fame, is dragged in under such names as Barret Bendhell or Bareback Swindle. His eccentricity is thus played on:

"When Barret Wendell gives a lecture,

Now he sits and now he stands,

Now he runs a scale,

Now he struts the platform

As he tells a naughty tale.

Now he leans upon his desk,

Smiling, childlike, bland;

The desk is tickled most to death

By Barret's nervous hand.

Now he takes his glasses off,

Now he puts them on,

Now he stops to pose in graceful flecture;

For this is just the way

That the hour rambles on

When Barret Wendell tries to lecture."

But Professor Wendell was himself, in his student

days, one of the founders of the "Lampoon" and perhaps the wittiest and ablest editor the paper ever had. Many a sharp arrow did he shoot at the faculty, at abuses, at customs, at institutions, at society. His genius is stored up in the pages of the early volumes of the "Lampoon," and every once in a while one of his old witticisms is hauled forth, given a new dress, and launched out again. For instance:

I.—"Hostess—Will you take your tea with a lemon, Mr. Jones?

Blase Youth—I prefer it with a peach. However, if your daughter insists——"

II.—"The President (as he comes to last abide)—In bed yet?

Freshman (muffled voice)—Yes, sir!

T. P.—Scrubbed your teeth?

F.—Yes, sir!

T. P.—Said your prayers?

F.—Yes, sir!

T. P. (noticing two pairs of shoes)—M-m-m—anybody under the bed?

F. (startled)—No, sir!

T. P.—All right, good night.

F.—Good night, sir!"

III.—"‘You certainly take life easy,’ said the victim, as he winked at the executioner and knelt before the block."

eral items and notices of interest to the students. In its editorials are discussed the topics of contemporary moment with what care and depth the busy editor can find time to command. The "Lampoon" says this is a sample of Crime's Own editorials:

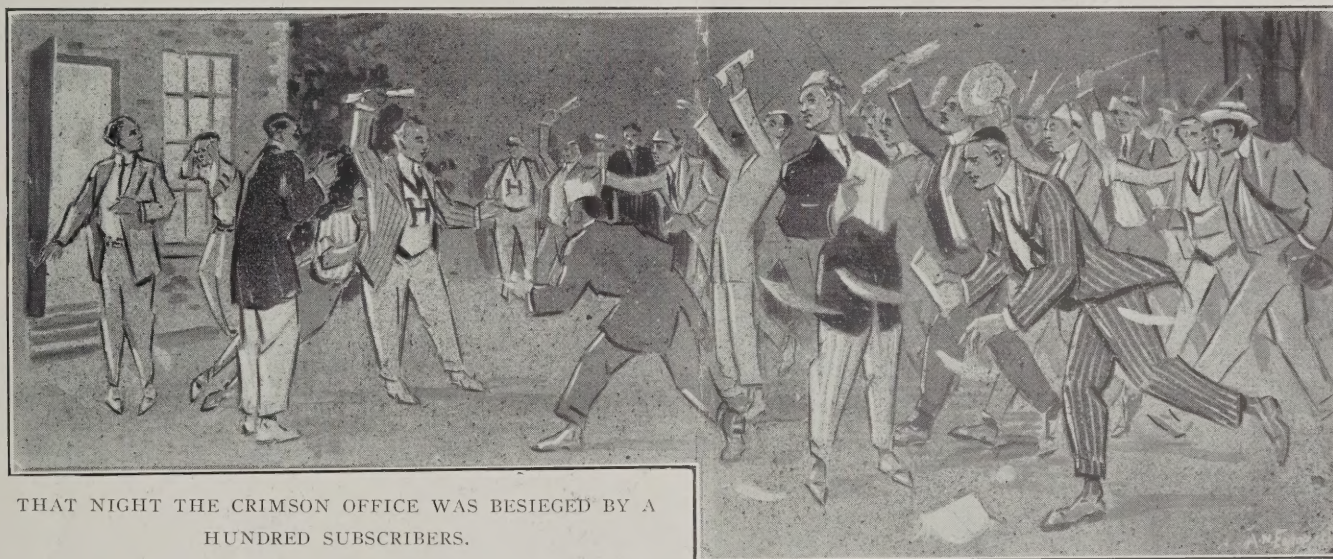
"Subject selected by perspiring editor who has just been informed by the Business Manager that the Shaving Soap ad. will cut him down to four inches for his editorial:

CHEERING AT GAMES

"At the last football game the cheering was not nearly so spirited as it was at the game immediately preceding. The obvious result of this was that we did not cheer so loudly as in earlier games. In fact, we did not make so much noise as usual, or even so much as we would have made had we cheered a little louder. The reverse, then, is also true. If we were to shout more vigorously, we should in all probability make as much or more noise than we would have if we had not made so much noise as we actually did.

"[New paragraph, denoting pause for breath.]

"Now, we should take all this to heart. If we are going to cheer louder at the next game, we must cheer more loudly. In fact, it might be said that by doing this we would produce a larger volume of sound. The "Crimson" is sure that if every man resolves to decide to make up his mind either to make more noise, or to



THAT NIGHT THE CRIMSON OFFICE WAS BESIEGED BY A HUNDRED SUBSCRIBERS.

"Lampy's" attitude towards the other papers is expressed in this reference to the "Harvard Advocate," a fortnightly devoted to verse, fiction and essays: "Wanted—Earnest student to undertake to read an "I'd Vacate" through at one sitting. Guaranteed to be profitable to the undertaker."

The "Harvard Crimson" is the daily newspaper of the college. Its circulation is about 3,500 a day, and it retails at five cents a copy. It was started in 1881, after the failure of three or four other similar attempts, and has maintained its purpose of serving as a dispenser of college news, athletic information, and gen-

cheer more spiritedly, or to join more effectively in cheering, the chances are that he will not only cheer better than he did in the last game, but will even, perhaps, cheer almost as well as he would have cheered at the last game if he had then cheered not only better than in the game immediately preceding, but as well as the "Crimson" could wish."

"Lampy" played an amusing trick on the "Crimson" one day long ago. It happened on Decoration Day, May 30, 1901. On the morning before, the "Crimson" had come out with a little notice saying that on account of the holiday the "Crimson" would

not appear the next day. But some members of the "Lampoon" board decide to issue a fake "Crimson." The plan was carried out, and the next morning every student in the college found a "Crimson" outside his door, and all read with great surprise and satisfaction the following editorial:

"Contrary to our notice of yesterday we have decided, on account of the press of news, to issue the 'Crimson' today.

The 'Crimson' feels bound in honor and in justice to its subscribers to make the following statement: For several years past the 'Crimson' has been making money in steadily increasing amounts. This money has been divided up among the editors of the paper in the form of dividends. The present editors feel that since the 'Crimson' is not primarily a money-making enterprise, but is merely a form of undergraduate activity, in somewhat the same way as teams and musical clubs, it is not right for them to appropriate this money for their own use. The only honest course open to us is to refund this money to those from whom it was taken.

"Anyone bringing the receipt for his subscription to the 'Crimson' office this evening between 8 and 9.30 will receive one dollar. We trust that our subscribers will find this arrangement perfectly satisfactory, and we only regret that we cannot make amends for our conduct of the last few years."

The "Crimson" editors had to explain that evening, to the hundred or more students who had come for their money, that it was all a mistake.

The "Crimson" has its own printing plant, and holds the record for speedy publishing. Once it had an extra edition on the streets fifteen seconds after the Yale-Harvard football game was over. It offers an excellent opportunity for experience to those men who contemplate a journalistic career. The cub's life is not easy, however, as he may be called on to do anything, from gathering news and sitting up all night at the typewriter, to cleaning boots and scrubbing windows, and three out of five men get on probation at the college office for neglect of studies. For a candidate to leave his hat on in the sanctum, means death to his hopes. He gets fired at once.

A paper younger, but equally as energetic, is the "Harvard Illustrated Magazine." This publication was first issued in 1899, by seven young men who were fully alive to the great field open to an active illustrated paper dealing

with timely subjects of interest to everyone in the university. The struggle made by this magazine was hard fought, and the burden on the shoulders of the first editors, very heavy. Yet the paper pushed its way steadily through all sorts of troubles.

In one case the editors could not afford coal for the sanctum fire, and sat around the stove discussing plans for a winter number while candidates shoveled bundles of back numbers into the flames. Now, however, the "Illustrated" has won its position. Its businesslike methods are shown by the size of its issues. Some editions run to 3,000 copies, a number that surpasses anything before attempted in American college magazine work.

"The Advocate" was organized in 1866 after the suppression of its predecessor, "The Collegian." "The Collegian" took as its motto, "Dulce est Periculum—Sweet is Danger." But the editors enjoyed their motto too much, and set into such railings against the faculty that after three numbers had come out the paper disappeared. Then "The Advocate," edited by practically the same men, rose up with a new motto: "Veritas nihil veretur—Truth fears nothing," and a changed demeanor. It publishes light literature—the work, "Lampy" would tell you, of dilettantes—and, as they say, the verse and stories rejected by the "Monthly." The candidates are warned against writing "literary criticism," and are told to "avoid commonplace verse on the subject of love"; "subjects of college interest," however, "are particularly desirable." When a candidate has had six contributions accepted his name comes up before the board for election, and unless some personal reason renders him objectionable, he is usually elected.



THE CRIMSON COMPOSITION ROOM.

"Advocate" editors are always portrayed by the irrepressible "Lampoon" as lean, poetic-looking men with long hair and monstrous eye-glasses. "Lampy" quotes an "Advocate" editor as saying, "The idea of this poem is good, candidate, but in rewriting make it much more obscure." Evidently the editors turn out well, since former ones were Francis Peabody, the eminent preacher; Theodore Roosevelt; Judge Robert Grant, author of the "Chippendales," etc.; E. S. Martin, of "Life"; Henry Rideout, author of "The Dragon's Blood," "The Siamese Cat," etc.; and E. B. Sheldon, whose plays, "Salvation Nell" and "The Nigger," recently appeared in New York. Colonel Roosevelt, however, seems to have been but an indifferent contributor, as he wrote only a couple of articles, one of them on "Football at Other Colleges."

There is another magazine, the "Harvard Monthly," that has been aptly called the "Atlantic Monthly of Harvard." It aims at a higher literary standard than the "Advocate"; each number contains several good stories, possibly an essay, and three or four poems. The first edition appeared in 1894. When Norman Hapgood, now editor of "Collier's," and William Vaughan Moody, author of the "Great Divide," were on the "Monthly" board, a Laodicean club was formed, in which they were the leading spirits. The club was named after the Laodiceans, a Greek people who lived in Asia Minor, and were noted for their indifference. "Indifference" was the motto of the club, and once the secretary was expelled because he took the trouble to send out notices of a meeting.

These, then, are the undergraduate papers at Harvard. Through their columns flows a constant stream of undergraduate thought and inspiration. Some of it is good, a great deal of it is poor, but the power that later comes from this early practice is a factor in the success of many lives.

The Honor System, Rochester

The examination debauch is over. Had it passed away never to return we would rejoice to let the memory of it fade away, but since it is one of those necessary evils which are perpetuated it is well that we endeavor to eliminate a part of its evil—"cribbing." To eradicate cribbing two means are at hand. We students can do it, if we will; or the faculty can if they must. The faculty can eliminate cribbing by employing a host of detectives to ferret out the evil-doers, or students can do it more effectively by being each his brother's keeper.

That cribbing must be stopped in order that the college may maintain a more perfect standard is above question. That the faculty is opposed to "turning out" as graduates men who have acquired skill sufficient to become counterfeiters or forgers cannot be

doubted. Unless cribbing is stopped the college cannot hope to raise the standard of scholarship nor to avoid turning out men who are inclined to be crooked.



Inspector—Your statement says that you have nothing dutiable but wearing apparel in your trunk. What do you call these bottles of whiskey?

Inspected—Night caps, my good man, night caps.

—*Lampoon.*

Honor System at Columbia

There is a movement under way in Columbia for adoption of an honor system. The Science men already have expressed themselves as wanting to be put on their honor. They have adopted a constitution defining fraud in examination and requiring students to make this signed statement: "I pledge my honor that I have neither given nor received aid in this examination."

Of course, say the students, the approval of this constitution by the faculty will imply that the presence of proctors in examinations is hereby discontinued, and that each student shall have perfect freedom of action and conversation, provided he does not annoy or interfere with the work of the others.

Under this plan every student is expected to report to the committee any fraud. An offender is to be tried at a students' court and if convicted his expulsion is to be recommended to the faculty.

Of late years Columbia has succeeded in effectively stamping out "cribbing" in examinations. All students take their examinations in the big university gymnasium under the watchful eye of many proctors who pass up and down the aisles constantly. The covers of the official answer book assume different hues on different days, and other precautions have helped to make "cribbing" a most difficult and dangerous task. Expulsion has been the penalty of being caught.

CORNELL'S NEW PROCTOR SYSTEM

By JAMES I. CLARKE, Cornell.

AT the instigation of the Student Conduct Committee, composed of Cornell undergraduates, the Faculty Committee on Student Affairs has appointed Lieutenant Theodore H. Tweston, of Philadelphia, University Proctor. Lieutenant Tweston resigned his position with the police department of Philadelphia to take up his work at Cornell immediately after the Christmas vacation.

The plan of the new proctor system is simply this: The proctor, in citizen's clothes, will spend his afternoons and evenings where undergraduates may happen to congregate and will be known to them merely as a friend. He will make no endeavor to spy upon anyone, nor will he in any way endeavor to dampen those festivities which are of a proper character. In cases of extreme necessity he will act more in the capacity of a friend than an officer, only using his power to arrest when absolutely necessary.

In cases where he deems it expedient the proctor will report the matter to the Student Conference Committee, composed of seven seniors and five juniors. This committee in session will act upon the case without bringing it to the attention of the faculty. The proctor system is entirely an undergraduate affair,

the faculty being called upon only when the students consider it essential.

The new system is intended to restrict local police intervention in student affairs in Ithaca, by entirely



LIEUT. THEODORE H. TWESTON.

relieving them of the responsibility of following undergraduate actions. It is not to increase the bounds of "down town" freedom, but to have the undergraduate meet a friend rather than an officer when he starts beyond the bounds.

Mr. Tweston is a genial, good-natured fellow, and is fast becoming popular with the Cornell students. He served with General Custer in his Indian campaigns, and has been connected with the Philadelphia police force for the last twenty-five years. He has already become famous at the University for his stories of the great Sioux campaign of 1876, in which he played an important part.

Hockey

The principal hockey games during December resulted as follows: Harvard, 10—Amherst, 0; Princeton, 7—University of Pennsylvania, 0; Princeton, 3—Williams, 2; Columbia, 8—Western Reserve, 0; Princeton, 5—Yale, 4; Yale, 6—Princeton, 5; Princeton 4—Yale, 3; St. Michael's University, Toronto, 6—New York Athletic Club; St. Michael's, 5—Boston, 3; Cornell, 4—Yale, 3.

Basketball

The principal basketball games during December resulted as follows: College City of New York, 20—Yale, 15; University of Pennsylvania, 30—Pennsylvania State, 22; Princeton, 35—Baltimore Medical College, 25; West Point, 21—Pennsylvania State, 19; Columbia University, 24—Pennsylvania State, 16; Yale, 14—New York University, 12; University of Pennsylvania, 25—Princeton, 14; Cornell, 27—Princeton, 19.



MR. E. P. WILLIAMS, CORNELL 1913—A GIRL IN "THE BUTTERFLIES."

The Syracuse University Stadium

By HARRY M. MASON, Syracuse.

THE new stadium at Syracuse University is without question the largest, most up-to-date, and most ideal college athletic field in the country. Doubtless to many who have never seen this massive structure there is a vague idea as to its real size and construction, and the splendid opportunity it affords for the display of college sports. However true this may be, the fact that it must be seen to be appreciated is confirmed by the throngs from all over the world that visit it daily.

The stadium itself is built entirely of reinforced concrete. It is oval in shape and covers six and one-third acres of ground. Built as it is on the sloping side of the campus, it can be entered from the top at the north end while the southwest end is thirty-five feet above the street, thus affording a grand entrance to the lower promenade through a huge arched gateway. It has a long diameter of 670 feet and a short one of 475 feet, with a massive underlying wall surrounding the whole structure very much of the style of an ancient amphitheatre. Surmounting this wall is an eight-foot spiked iron grating set in large cement pillars, which acts as the barrier of the athletic interests within from the

cinder track, affording an extra fine running field of four laps to the mile. On the south side, in front of the grand-stand, is a straight 220-yard track, extending out of the stadium at each end through two large tunnels. The western entrance opens out upon the campus so as to furnish a fine finish for cross-country work as well as the dashes, hurdles, etc., for which it is especially intended. On each side of the field is an ash-pit for the long jump, high jump, pole vault, etc. The intervening space serves not only as an ideal gridiron and baseball diamond, but is most adequately used for the numerous field events which, together with those of the track and pits, make up the program for track meets.

Considered from a practical standpoint, the Syracuse stadium is ideal. Its construction assures safety and durability. Its size provides accommodation for the seating of 30,000 with ease and standing room for 10,000 more. Its location is most delightful for Syracuse athletes. By means of a short tunnel at the eastern end the field is entered directly from the gymnasium where are the greatest conveniences for bathing and dressing. This structure is of birch, tile and mar-



SYRACUSE UNIVERSITY STADIUM.

world without, unless it be for the youngsters who are small enough to squeeze between the bars. From this grating extends a twenty-foot promenade running around the top of the whole stadium and overlooking the eighteen long tiers of seats below. On the south side is situated the covered grand stand 190 feet long, affording protection to the spectators in stormy weather, and special seats for official and honorary visitors.

The field itself is 32 feet below the main promenade, with the diameters of 535 by 340 feet, carefully graded for perfect drainage, so that weather conditions might affect it as little as possible. The whole central area is enclosed by a cement curb five feet in height, giving the enclosure the appearance of a real arena. Situated five feet within this curb is the newly completed

ble, three stories in high, with a cork-floored balcony running track of eleven laps to the mile. In this building is a 205 by 100 foot main floor, with its four separate basketball courts, tennis courts, class apparatus, etc., a spacious locker room with 1,600 steel combination lockers, shower baths, trophy room, ninety-foot swimming pool, mechanically arranged water rowing tank, baseball, shot-put and bowling cages, private and team locker rooms, showers, fencing room, wrestling room, examining rooms, cloak rooms, store rooms, offices, etc. A complete equipment is included, with accommodations for 3,000 athletes.

The gymnasium looks out upon the stadium like a lighthouse upon the water. It stands with open doors for every supporter of the "Orange," and furnishes the stadium as their playground.

Since the completion of the gymnasium and stadium in 1907, Syracuse has increased in athletic prominence. Compulsory gymnasium work has been required, and interest, ability and development have joined hand in hand picking out able representatives in all branches. Each year sees some of the strongest teams of the country pitted against the "Orange" in football and baseball. Track meets have become very popular and several dual intercollegiate meets, interscholastic meets, home inter-college and inter-class meets are held annually. What place could be more ideal and efficient for such sports? Here is a carefully constructed field with all the accessories. Here are most excellent accommodations for 40,000 spectators. Syracuse University is centrally located between the East and the West, with a large corps of resident enthusiasts. The Syracuse stadium is becoming known all over the country as one of the most popular athletic fields. The gymnasium is the largest and best equipped gymnasium in the world.

Leading Football Elevens Choose Their Captains

Of thirty-six captains chosen by leading elevens throughout the country, the quarterback and tackle positions share first honors, with eight each.

The quarterback has been the captain chosen by many of the leading elevens. Sprackling of Brown, Howe of Yale, Hyatt of the Army, Morrison of Vanderbilt, Coliflower of Lafayette, Seiler of Illinois, Roxy of Case and Tellars of Mercer were the quarters chosen. Sprackling, Howe and Seiler were three stars of the first magnitude. The Brown quarter was by far the best of the year. The Illinois wonder won the Syracuse, Chicago and Indiana games by his place kicking.

The list of the other captains follows: Tackles—Howard, Trinity; Conklin, Michigan; Thurber, Colgate; Alverson, Rutgers; Brennan, N. Y. U.; Thompson, Ursinus; Stoussel, DePauw; Koegler, Rochester. Halfbacks—Fogg, Syracuse; Linder, Williams; Tibbons, Wash. and Jeff.; Baumgardner, Alabama; Bissell, Clemson. Guards—Burd, Carlisle; Daly, Georgetown; Mitchell, Wesleyan; Boshier, Dickinson; Thomas, Louisiana State. Ends—Bowen, Virginia; Cutler, Bowdoin; Murray, Haverford; Joy, Holy Cross; Very, Penn. State. Fullbacks—Hart, Princeton; Leavering, Miami; Burch, Gallaudet. Center—Wylie, Lehigh.

The general excellence of "The American Magazine" is what appeals to the reader. Experts in the business say that no periodical now published is attracting more attention, or winning more enthusiastic approval, than "The American Magazine." It is a publication which exhibits unusual energy, liveliness, candor, courage and humor. No one who reads it can

ever forget its distinctive qualities. It is as much of a "character" as exists anywhere—and a most intelligent and delightful "character," too.

The Junkman—A Literary Parable

He wrote for years, and years, and years—
Poor wight! His harvest was but tears,
For every line he wrote, alack,
Came homing like a pigeon back,
Until his dwelling was packed full
Of manuscripts unsaleable;
And all his walls in endless strips
Were papered with rejection slips.

His cellar held two hundred score
Of tales of love, and maybe more;
And every bookshelf in the place
Ran o'er with stories of the chase.
In bureau drawer, in trunk and chest,
In highboy, lowboy, packed and pressed,
Lay sketches, novelettes, and rhymes
Which he had penned at sundry times.

He caught the measles, and at last
From out this vale of tears he passed;
But where he went to none can say,
We only know he passed away.
His widow wed again, a wight
Who called the junkman in one night,
And as waste paper sold that store
Of manuscripts he'd struggled o'er.

'Twas then there dawned upon the land
A miracle of genius grand—
A man who'd never gone to school,
Yet reeled off tales as from a spool—
An endless spool at that, and who,
Though rough, the Muses fair could woo
As did the bards of Queen Bet's Age—
The junkman poet was the rage!

The junkman's novels had a sale
That turned the six best sellers pale,
And publishers in frenzied race
Outbid each other in the chase
For storied stuff he had to sell,
And those who got it did right well;
For everywhere folks raved the while
About the junkman's "splendid style!"

The moral? Well, I've sometimes thunk
He waxeth fat who deals in junk.

—Horace Dodd Gastit, in *Harper's Weekly*.

When I was a child, I thought as a child, I understood as a child; but when I was a Freshman I put on a celluloid collar, bought a pipe and became a man.

The Intercollegiate

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Syracuse Discussed for I. A. A. A. Meet

At the meeting of the Advisory and Executive Committee of the Intercollegiate Association, held at the Waldorf-Astoria, the matter of holding the track meet at Syracuse this year was taken up. There was some objection on account of poor conditions and difficulties of viewing the games. Mr. Cook, former graduate manager of Syracuse, tried to convince the committee that Syracuse will do all in its power to make the Stadium suitable for competition, and the straight-

away would be fixed so that spectators would be able to witness all of the 220-yard run.

The award was left in abeyance until a member of the executive committee could investigate the Stadium, and report will be made at the annual meeting of the Association on February 24th.

Amendments were proposed as to eligibility of competitors, and rules relative to hurdling, broad jumping and relay racing.

It was recommended that the rule allowing students to compete for four years be changed so that three years was the longest anyone would be allowed to participate in any games. This ruling was not passed on.

In another place in this issue appears a lengthy article on the Syracuse Stadium.

Constitution and By-Laws of the Intercollegiate Aeronautical Association of America

An undergraduate association whose present officers are now attending the U. of P., Princeton, Cornell, Haverford, Univ. of Virginia. Its aim is to create interest in aeronautics in the colleges and to control same as the head association. Although new in its organization it has done great work, and in time, with the continued energies of its president, will become one of the strongest and most important associations on account of the possibilities open to college men for experiment and study of the gentle art of flying.

Dr. R. Tait McKenzie, Sculptor, U. of P., Finishes Football Group

The football group Dr. McKenzie has been working on for the last four years is now completed. It is a masterpiece.

Walter Camp, who saw it in course of execution, declared it to be the best he ever saw on the subject.

Lacrosse Abolished at Columbia

Because of the lack of interest shown in the sport, the lacrosse team was abolished yesterday by the Directors of the A. A. at their regular meeting in Earl Hall. The following resolution was passed. "Whereas, a careful investigation shows that there is but little interest in lacrosse at Columbia, and that there is little or no prospect of turning out a lacrosse team that would be creditable to the University:

In the July issue of THE INTERCOLLEGIATE appeared an article on all-American lacrosse team. Columbia was represented on the team. The article created widespread attention among lacrosse followers and we hoped it would increase interest in the sport.

THE INTERCOLLEGIATE regrets to state that, due to lack of space, it could not present articles on West Virginia University or University of Rochester. These will appear in the March number.

Official Monthly Bulletin of the Intercollegiate Aeronautical Association of America

GEO. A. RICHARDSON, President
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Cornell

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Haverford

Edited by GEORGE ATWELL RICHARDSON

IT is to be hoped that all the active college aero clubs will make an attempt to take part in the Harvard gliding meet. Invitations to participate have been sent out to every club by the Harvard Aeronautical Society, but failure to receive one does not mean that the club in question is ineligible to compete: New college clubs are constantly springing up and, in many cases, mail addressed to officers of the older ones does not always reach its destination.

A gliding mound is to be made on Squantum Field and the facilities for holding a successful meet will be unusually good. Several large trophies will be offered.

Attention is again called to the fact that all clubs who participate must have their dues in the Intercollegiate Association fully paid up.

A design for the seal, pennant and pin of the Association has been approved. All members in good standing are entitled to pins upon payment of the small fee charged.

The seal, which will be circular in shape, will bear the following: In the center will appear a pair of wings and a short, round-headed staff, known as a cadenza. The cadenza is symbolical of power and the wings of speed. Around the edge of the seal will be the words, "Intercollegiate Aeronautical Association of America. Membership Corporation."

The pennant, which will be triangular in shape and red in color, will bear the symbolic design and the letters I. A. A. in blue on a white field.

The pins will be as follows: Shape, irregular circular. Size, three-eighths inch in diameter. Gold-filled, guaranteed for twenty years. In the center will be the symbolic design. Around the edge will be the words, "Intercollegiate Aeronautical Association" on an enameled band, which shall be of the color or colors of the college to which the member belongs. The price will be about fifty-five cents, postpaid, to members in good standing. Members who have not paid their dues should add twenty-five cents (annual dues) to above amount. Address, 34 Rodney, U. of P. Dorms., Philadelphia.

Grahame White says: "I think the biplane is much more practical for amateurs and college men than the

monoplane. For a beginner much less danger is attached to the manipulation of a biplane and not so much experience is necessary."

Flight

President Richardson left Philadelphia for the West January 19th, for a short lecture trip, and returned February 1st.

He delivered his successful aeronautical lecture at five places, including Fulton, Ill., Madison, Wis., Evanston, Ill., Northwestern University and Ashland, Ohio.

At Madison, Wis., he visited the University where he met a number of the professors and inspected the various laboratories and buildings. One of the most interesting laboratories was the timber-testing laboratory, which is the largest in the United States.

In addition to giving his regular aeronautical lecture at Northwestern, Mr. Richardson also delivered a talk on various properties of the air as related to aeronautics, before Professor Crew's class in physics.

A visit to Champaign, the seat of the University of Illinois, was also scheduled, but for unavoidable reasons had to be cancelled.

The President's Trophy

It has been decided to make one change in the conditions affecting the award of this trophy. After careful consideration it has seemed that a trophy that would be permanently awarded would be much better than one competed for annually, as specified in last month's issue.

As stated, the intrinsic value of the trophy is not great, the idea being that what it stands for is what makes it worth while striving for. It will take the form of a large bronze seal of the Association. This will be handsomely mounted and a silver plate will carry the necessary inscription.

The Intercollegiate Trophy

Owing to the fact that so few of the college clubs own or expect to own aeroplanes, the question has arisen whether it will not be better to award it for some other form of contest. Only four replies have been received so far in answer to a letter asking what

event it would be best to award the silver cup for—distance, height or duration—and we publish herewith extracts from the letters.

Robert E. Miller, president of the Haverford Aero Club, writes: "I should think it wise to offer the cup for the best all-around excellence—height, duration and distance, all to be considered, in a gliding contest which would bring out all of these features. Possibly it is your intention to make this offer open to power-driven machines. If this is the case, I think it very unwise at the present stage of the game in colleges. Because the building of a power-driven machine is out of the question among the type of colleges such as represented by Haverford, Swarthmore and other small colleges of that class. It is impossible because of lack of funds and fellows to give time and money to such an undertaking. Every college aero club can, however, build gliders, and it seems to me that your cup would best be offered for a glider competition. The cup could then be awarded on a percentage system, height, duration and distance counting so many per cent."

President Shearman, of the Williams Society, says: "I think the best event would be distance. I doubt if our society will be able to compete for the cup this year, though it is just possible we may. Why don't you offer a cup for the longest balloon flight made by any aero club or member of any college aero society. We have challenged Amherst to a balloon race for next spring, and after that is pulled off we are going to organize a large intercollegiate balloon race. In the present stage of the game I think the balloon is a better sporting proposition than the aeroplane for colleges."

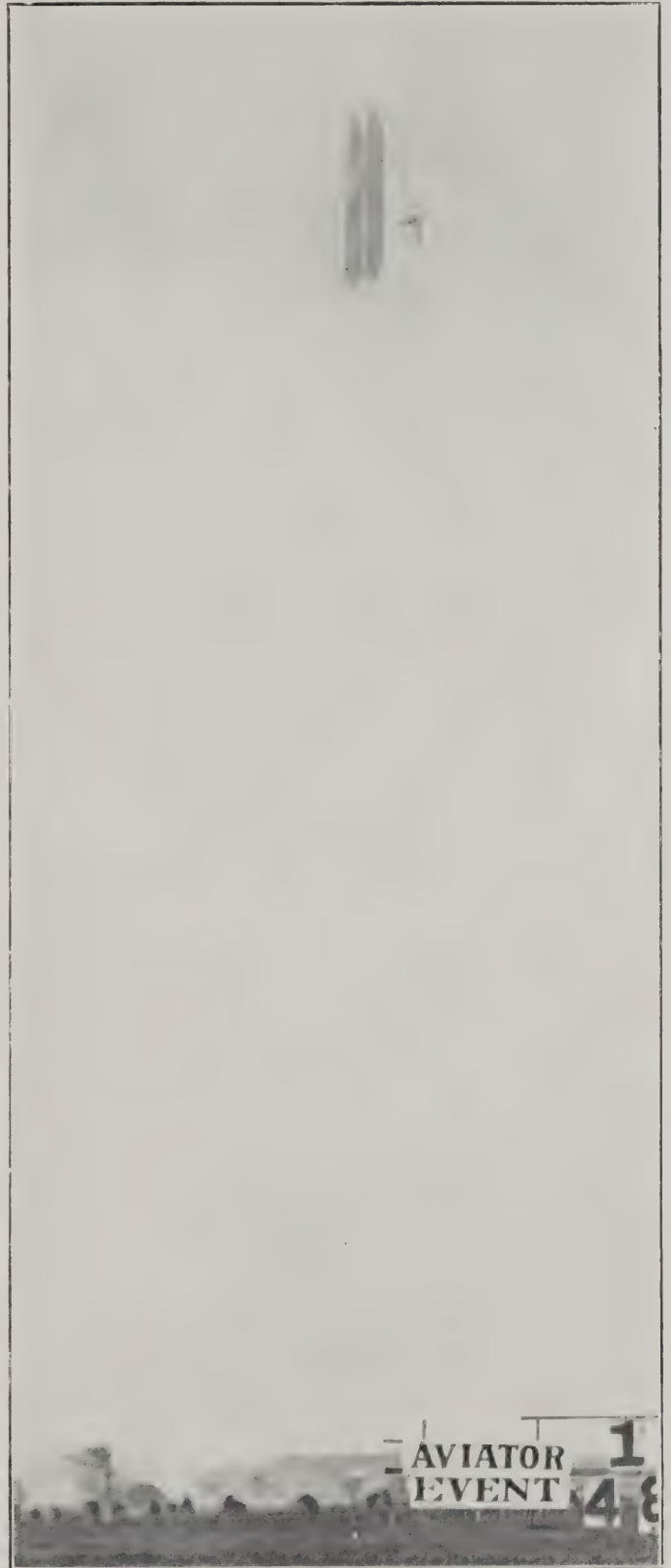
Professor David Todd, of the Amherst Aero Club, writes: "I may say that the prospects of our club competing for the proposed cup seem to me very doubtful. Three members have an aeroplane well advanced, but on account of its excessive weight, I doubt whether it will ever rise from the ground, even if it should be completed in time for the meet." "Regarding the sort of event best suited to student competition, I am quite clear that, in the present state of the art of aviation, the contest should be limited to simple duration. A year or two hence, conditions may be quite different."

Mr. Bate, president of the Cornell Aero Club, has also sent in a very interesting letter. "It is certainly very gratifying to me," he says, "to learn that so much interest is being manifested in the Association and the individual clubs, outside of the clubs themselves. From what I can learn, it seems to me that the Association is at present in a condition where, if the individual clubs can be bound firmly together, it could be made one of the strongest student organizations. The competition which will be inaugurated by your great plan will, although tending to force a hot but friendly rivalry among the clubs, be the controlling factor in cementing them together with a common interest. I am sure there is not one of us but sees the great advantage in such a plan."

"You ask for an opinion concerning the nature of the competition. There are points in favor of each sort. Distance, to a certain extent, implies duration, and vice-versa, while height also implies duration. Height, however, is questionable, on account of the inexperience of the aviators and also because it does not depend to such a great extent upon the type of machine, which, after all, is of importance, as most of them will be home-made, as it were. Distance, while embracing duration, also embraces speed, which is more or less dependent upon meteorological conditions. Therefore, it seems that duration is a fairer test of the individual as well as the machine."

"You would do me a great favor by letting me have more

particulars of the contest. I am sure that the Cornell Aero Club will enter despite the fact we have no machine at present. We are assured of a motor, and as for the construction there is little need for worry, considering the interest and enthusiasm displayed by the club over the matter."



BROOKINS MAKING A SHARP TURN.
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CONSTITUTION AND BY-LAWS OF THE INTERCOLLEGIATE AERONAUTICAL ASSO- CIATION OF AMERICA.

CONSTITUTION.

ARTICLE I.

NAME.

This Association shall be known as the Intercollegiate Aeronautical Association of America.

ARTICLE II.

ASSOCIATION SEAL, PENNANT, AND PIN.

The seal of the Association shall be of the following shape and design: It shall be circular in shape. In the center of the seal shall be a short, round-headed staff, sometimes known as the cadenza (which is symbolical of power), and a pair of wings (symbolical of speed). Around the edge of the seal shall be the following words: "Intercollegiate Aeronautical Association of America. Membership Corporation."

The official pennant shall be triangular in shape and red in color. In the center, on a white field, shall appear the cadenza and wings, also the letters I. A. A. A. in blue.

The official pin, which is to be issued to members in good standing only, shall incorporate the emblematic design and name of the Association, and shall bear the colors of the college to which the member or members in question belong.

The general design of above to be left in the hands of the Executive Committee.

ARTICLE III.

OBJECTS.

The objects of the Association are: To arouse and stimulate interest in the science and sport of aerostation and aviation among the colleges and universities of America; to hold intercollegiate contests, meets, exhibitions, etc.; to work for the establishment of Chairs of Aeronautical Science in the various educational institutions; to place aviation on a level with other forms of college activities.

ARTICLE IV.

MEMBERSHIP.

SECTION 1. The membership shall comprise three classes: (a) Honorary members; (b) Active members; (c) Associate members.

SEC. 2. The honorary membership shall be limited to fifteen, and shall include, *ex-officio*, the President of the United States.

SEC. 3. The active membership shall be unlimited as to number, but each member must be actively connected, in some capacity, with a college or university.

SEC. 4. The associate membership shall be unlimited as to number, but shall include only those persons who are college graduates or who have attended some college for a period of at least two years.

SEC. 5. Clubs or individual members shall be admitted to full membership in the Association upon signed application by said club or individual, provided that said application meets with the approval of the Association as shall be hereafter specified.

ARTICLE V.

GOVERNMENT.

SECTION 1. The officers of the Association shall consist of a President, First Vice-President, Second Vice-President, Secretary, Assistant Secretary, Treasurer, and Consulting Engineer.

SEC. 2. The general management and control of funds, affairs and the property of the Association shall be vested in a

Board of Directors, consisting of: (1) The ex-President of the Association during the year following his term of office as President; (2) the active officers of the Association; (3) the President, or such active member of his club or chapter to whom he may delegate his authority, of each of the clubs or chapters which shall be members of the Association.

SEC. 3. The active management and control of the funds, affairs and property of the Association shall be delegated to an Executive Committee, consisting of the following members: (1) The ex-President of the Association during the year following his term of office as President; (2) the President, First and Second Vice-Presidents, Secretary, Assistant Secretary, and Treasurer of the Association.

ARTICLE VI.

AMENDMENTS.

The constitution may be amended only by a majority vote, consisting of two-thirds the allowable votes in the Association at time amendment is proposed. Amendments to the constitution may only be made at the annual meeting of the Association.



ANTHONY JAMES FLYING HIGH.

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BY-LAWS.

ARTICLE I.

GOVERNMENT.

SECTION 1. The general management and control of the funds, affairs and property of the Association shall be vested in a Board of Directors and an Executive Committee, as provided for in the constitution.

SEC. 2. The general management and control of the funds, affairs and property of the various clubs or chapters comprising this Association shall be vested in the individual clubs or chapters themselves.

ARTICLE II.

MEETINGS.

SECTION 1. The annual meetings of the Association shall be held during the Easter College Recess, at a time and place which shall be designated before said meeting by the Executive Committee.

SEC. 2. At all meetings of the Association two-thirds of the active membership shall constitute a quorum. Duly accredited proxies shall be considered in determining this quorum.

SEC. 3. For the purposes of determining a quorum active membership shall be figured on the basis of allowable voting units, as hereinafter provided.

SEC. 4. The Executive Committee shall meet together or transact its business by mail, or by any other method which

may prove to be the most satisfactory and convenient.

ARTICLE III.

ELECTIONS.

SECTION 1. Election of officers of the Association shall be held at the annual meeting.

SEC. 2. The president of any chapter or club which is or shall become a member of the Association is a member of the Board of Directors and he shall remain so until his term of office in said club or chapter expires or until said club or chapter severs its connection with the Association.

SEC. 3. Officers and members of the Executive Committee shall hold office until the adjournment of the next annual meeting or until their successors are elected.

SEC. 4. A two-thirds majority of the votes polled shall be necessary for election to any office.

ARTICLE IV.

VACANCIES.

If a vacancy shall occur in any office or on the Executive Committee, such vacancy shall be filled as follows: (a) First Vice-President shall fill vacancy left by President; (b) any other vacancy shall be filled by the Second Vice-President. (c) Should it happen that the First Vice-President is unable to take the President's place, same shall be filled by the ex-President of the Association who is on the Executive Committee; likewise in case of any vacancy which cannot be filled by the Second Vice-President, the ex-President of the Association shall assume the responsibilities and duties incident to the position left vacant.

ARTICLE V.

DUTIES AND POWERS OF THE BOARD OF DIRECTORS AND THE EXECUTIVE COMMITTEE.

SECTION 1. The Board of Directors at the annual meeting shall (a) outline the policies and actions of the Association for the coming year; (b) appoint the following committees: (1) Membership Committee; (2) Committee on Exhibitions,

Contests, Tours, etc.; (3) Auditing Committee; (4) Committee on Laws and Ordinances.

SEC. 2. The Executive Committee shall (a) keep minutes of its proceedings; (b) make a report at annual meeting; (c) carry out the policies and actions outlined by the Board of Directors at the annual meeting, (d) and perform such other duties as it, by resolution, shall from time to time adopt.

SEC. 3. The Auditing Committee shall audit all accounts of the Association.

SEC. 4. Duties of the remaining committee shall be specified by the Board of Directors or by the Executive Committee.

ARTICLE VI.

DUES.

SECTION 1. Each club or chapter having membership in the Association shall pay annual dues of twenty-five cents (25c.) per year for each individual member in said club or chapter.

SEC. 2. Each club or chapter shall be allowed one vote for each fifteen members paid up.

SEC. 3. Clubs having less than fifteen active members shall be allowed one vote on payment of annual dues equivalent to those paid for fifteen members.

SEC. 4. All votes shall be cast by the club or chapter's representative on the Board of Directors.

SEC. 5. Associate or individual active members shall pay twenty-five cents per year, but shall have no voting privileges.

ARTICLE VII.

The Association, through the Executive Committee, shall publish at least one bulletin yearly, containing full accounts of the proceedings and activities of the Association. The number of bulletins published shall be optional with the Executive Committee.

ARTICLE VIII.

Cushing's Parliamentary Manual shall be the authority referred to in case of dispute over any points not covered in this constitution or by-laws.

Aviation News from the Colleges

CORNELL AERO CLUB

An Aero Club was founded at Cornell University a little over a year ago. Already the new club has won for itself a place among the recognized student activities and has accomplished much in the study of aeronautics.

Next year Cornell will have a course in aerodynamics under the direction of Professor McDermott, and given as an elective in the Sibley College of Engineering. To prepare for and create an interest in the new university course, the club has this year an extra curriculum course under its own auspices, entitled "Glider Construction and Manipulation." It is probably the only course of its kind in this country. The instruction is given by undergraduates more advanced than their classmates, regular laboratory periods are observed, and a certificate of completion is given. The university has given the enthusiasts the use of a small laboratory in Sibley College, and here two gliders have already been built this term.

In connection with this course, beginning next semester, the students are planning to build an aeroplane. The gliders recently constructed have been built along the same lines as the proposed plane, and will be used as models. They are shown in the accompanying illustrations, where the novice is being instructed in glider manipulation by his more experienced co-worker.

MODEL CONTEST.

The model contest was held in the Armory on the evening of December 16th. Four hundred spectators were present.

Of the fifteen entries all but six of the models had been broken in trial flights or were still uncompleted. The best flight and winner of the first prize was made by a monoplane built by R. N. Proctor, '13, which flew 62 ft. 9 in. The machine had an area of less than five square feet and was pro-



GLIDER PRACTICE BY STUDENTS.

Courtesy Cornell Sibley Journal.

pelled by a spring. The distance would probably have been still greater had it not swerved and struck the side of the armory. All of the machines were built by their exhibitors in the Aero Club's laboratory.

The competition was decided by multiplying the actual distance flown by an equivalent which was the weight divided by the area. The summary: First prize, R. N. Proctor, '13, 62 ft. 9 in. actual distance; second prize, C. H. Wetzell, '13, 17 ft. actual, 4.6 equivalent distance; third place, A. Myrick, '14, 22 ft. actual, 2.18 ft. equivalent distance; fourth place, L. McKendrick, '14, 24 ft. 6 in. actual, 2.13 ft. equivalent distance.



CORNELL MAN IN GLIDER FLYING FROM HEIGHT.
Courtesy "Cornell Sibley Journal."

The club is planning another model contest similar to the one held in the armory on December 16th.

The Cornell Aero Club this year is placing restrictions on its membership due to the fact that it believes this to be for the best interests of the club. Only those who are really interested in aeronautical work and are willing to push hard are admitted.

UNIVERSITY OF PENNSYLVANIA AERO CLUB

The U. of P. Club has experienced one of the depressions which all of the clubs meet with at some time or other. Owing to a lack of interest in the aeronautical movement by the majority of the students, it has been decided to entirely reorganize the club along new lines. Indications point to a big awakening which will bring the club back to its former strength.

The club has entered the Harvard meet next June.

WILLIAMS AERONAUTICAL SOCIETY

This club had thirty members at the time of its organization in October. Its list of officers, published last month, is a cosmopolitan one. President Shearman comes from London, England; Vice-President Latimer from Portland, Ore.; Secretary Starrett and Treasurer Johnson from New York City; Member-at-Large Frank Speer Coan from Urumia, Persia.

The regular initiation fees are \$2.50 and the yearly dues are also \$2.50.

A large number of committees have been appointed and if they accomplish what they are setting out to do, the Wil-

liams Society should make great progress. The committees are as follows:

Construction committee, financial committee, balloon committee, lecture and library committees. Also an intercollegiate news committee to keep in touch with the college movement, a clipping bureau, and an advertising committee.

Leo Stevens, the balloonist, has consented to be one of the consulting aeronautical engineers of the society, and Professors McElfresh, Mears and Williams have agreed to act as faculty advisers.

YALE AERO CLUB

A meeting was held December 5th, for the purpose of organizing the Yale Aero Club for the coming year. A large number attended and the fact that a glider has been procured for use at Yale Field has caused a noticeable increase in interest. The following officers were elected: E. B. Hine, 1911 S., president; J. T. Rowland, 1911, vice-president; C. B. Lansing, 1911 S., treasurer; and S. B. Warren, 1911 S., secretary. The Governing Board consists of: E. P. O'Brien, 1912; R. A. Kelley, 1911 S.; S. L. Soule, 1911; R. Jeffrey, 1911; S. S. Board, 1911; J. Tod, 1913 S.

A gliding chute has been set up on Yale field and gliding actively begun. The glider is of the biplane type and has 200 square feet of supporting surface. The chute is placed on the front of the bleachers but can be taken apart and moved readily.

The use of the club's glider is open to all members, with the following restrictions: The machine can be used only in the presence of one officer or member of the governing board; in case of any damage to the machine due to sheer carelessness of the operator, the latter must pay fifty per cent. of the cost of repairs; his liability being judged by the governing board.

DARTMOUTH AERO CLUB

The members of the Dartmouth Aero Club are taking the greatest interest in their organization. One of the members already has a glider in use and the materials for the club glider have arrived. Construction of this will be commenced immediately after the mid-year examinations.

Several authorities on aircraft have been secured to give informal talks to the club. W. C. Hill, '02, a member of the New England Aero Club, will address the club in March at the time of the meeting of all Dartmouth class secretaries. J. B. Benton, '90, will also address the club. He is a licensed pilot and will put his balloon, "The Boston," at the service of the members. Through Manager Fanciulli, Curtiss has promised to send an instructor for the club.

The officers and members are striving hard to make the work of the club of practical value.

At a recent meeting library and construction committees were appointed. It was decided to award a \$15 cup to the member of the club who made the best flight during the year with a glider built by himself.

The club membership is about thirty and the library now possesses nearly twenty books, besides subscribing to the various aero publications.

COLUMBIA AERO CLUB

Because of the fact that he owns an aeroplane, Philip Wilcox, of this club, is now a lieutenant in the United States Aeronautical Reserve.

The Columbia Club has entered the Harvard glider meet. The aeroplane designed and constructed by P. W. Wilcox, '10 S., is still on exhibition at 53 Fifth Avenue, corner of Twelfth Street. This machine has demonstrated the practicability of sending wireless messages from an aeroplane in the air, without ground connections.

UNIVERSITY OF ILLINOIS AERO CLUB

This club has built two gliders since its organization. One of these, an ordinary glider, was broken in a high wind. The other glider was designed along original lines and several new ideas and principles were embodied in its construction. It is intended to be used in towed flights and is equipped with rudder, elevator and ailerons. The machine will not be tried until favorable weather.

During the winter many experiments of various kinds are to be made. The rigidity, strength, etc., of the new glider will be thoroughly tried out and the results made public. Experiments will also be conducted upon the properties and actions of planes and bodies in air currents, thrust of propellers, etc. One very interesting experiment will be the photographing of air currents about planes and bodies.

UNIVERSITY OF WISCONSIN

At the present time few students at this place seem to be interested in aeronautical work, though the university has unexcelled facilities, such as laboratories, steep hills for gliding, etc.

Among the laboratories is a timber-testing laboratory which is the largest of its kind in the country. It contains paper-

making equipment, wood preservation outfits, and what is of especial interest to aeronautical workers, a complete set of apparatus for testing the strengths and other properties of woods.



CROLL TURNER DIMINUTIVE PLANE.

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BIRD'S-EYE VIEW OF CURRENT MAGAZINES, ARTICLES AND NEW BOOKS RELATING TO AERONAUTICS

"Fly"—January, 1911

An article on the "Progress of Flight in 1910," by Glenn Curtiss, opens this month's number of "Fly" magazine. The general theme is that of the great value of the aeroplane as an instrument of war as evidenced by experiments and tests carried out during the past year. Hobart B. Hankins gives an account of the "Drexel Altitude Record" incident. "How to Build a Montgomery 'Glider,'" by Rex B. Wheeler, tells how to build model gliders of the Montgomery pattern. It will be remembered that it was with this type of glider that sensational experiments, such as a gliding flight from a balloon at a height of 4,000 feet, were tried four or five years ago. Philip McCutcheon, a young Philadelphian who has been very successful in making model aeroplanes, tells how to construct a Wright model. Under the head of "Army Needs Twenty Aeroplanes," extracts from Brigadier-General James Allen's report to the Secretary of War are given. The recent tragic death of Archie Hoxsey has been attributed to the fact that he was seized with an attack of air-sickness, and F. I. Wilbur's article on "Air-sickness and Its Symptoms," is therefore a timely one. A description of an aeroplane power diagram, a new department, "Queries and Answers," and the usual features complete an unusually good number.

"The Air-Scout"—January, 1911

One of the most promising of the new aeronautical magazines is "The Air-Scout," which has now reached its third month. The official organ of the United States Aeronautical Reserve, its general trend is towards the popular side of aeronautics. It is exceedingly well gotten up and illustrated.

The late John B. Moisant writes very entertainingly of "The Gentle Art of Aviation." In view of the great interest being shown in the possibility of making use of flying machines in war, the reader can take up the article by John Watkins, entitled "Air-Scouts of Other Days," with a great deal of pleasure, as it throws an interesting light on the history of military aeronautics from the time of the invention of the balloon. Hand in hand with this article goes a companion one by Henry Woodhouse which tells of the "Present Status of Military Aeronautics."

"The First Principles of Aviation," by Lieut. Phillip Wake-man Wilcox, U. S. A. R., should be of interest to college men as Mr. Wilcox was the first college man to fly successfully in an aeroplane.

"Smuggling by Airship," general news departments and other features complete the number.

"Aeronautics"—January, 1911

The January number of "Aeronautics" marks the commencement of the eighth volume of that valuable magazine, which has the honor of being the first one devoted to aeronautics in this country.

"Notes on the Aeroplane Propeller" is a discussion of the results obtained by M. Riabouchinsky at Koutchino Institute in determining the relation between the slip and thrust of propellers. In this same connection is another article by C. Wesley Howell, Jr., on the "Fallacy of the Screw Propeller," in which he endeavors to prove that the screw theory of construction is an incorrect and inefficient one. Still a third article on propellers tells of a new device for "Measuring Propeller Thrust."

"The Life and Work of Octave Chanute," a continuation of Lieut.-Col. W. A. Glassford's "Aeronautics and War," "Experiments with Aeroplane Wireless," "Wright Altitude Rule," "Wright's Improved Anemometer," which is merely a rag but serves the purpose to perfection, are all worth while.

To the constructor detailed drawings with dimensions of the Bleriot X will appeal, and the account of the 24-hour non-stop engine run should be of interest to those who follow up the power plant side of aeroplaning.

"Aircraft"—January, 1911

After a lapse of several months Denys P. Myers' articles on the "Law and the Air" are resumed. The subject which he takes up this month is insurance in its relation to aeronautics. One of the greatest arguments raised against aeroplanes by many people is that of the number of fatalities. G. Campbell Wood, with the aid of an article and a very clear and concise table, shows just what fatal accidents have occurred to date, and their causes.

"Features of the Paris Show," with diagrams, a critical and detailed description of the Paulhan biplane, "The Pressey Automatic Control," which depends on a gravity-influenced weight, and "An Argument for the Uniform-Pitch Propeller" are all good.

Secret in An Aeroplane Patent

Inventor—He told me you told him the secret I told you not to tell him.

Aviator—The mean little machinist; I told him not to tell you I told him.

Inventor—I promised him I would not tell you he told me. So don't tell I told you.

Fly Low, Fly High

The airmen do not seem to mind being killed, but we mind it who read about their falls. There seem to be plenty more fliers to take the place of those who are killed, but we deplore the lives lost. These daring men are valuable human stuff. We do not like to see them prematurely lost out of the world of adventurous experiment.

Be careful, flying men! Let the high-flight record, for example, go hang. There are lives enough to be spent in the extension of human powers, but none to spare for fooling. Fatalities delay the game, and it is such an interesting game! And, besides, they hurt our feelings.—*Exchange*.

Mae—Jack said he was in touch with many prominent men this summer.

Billie—Yes, he was night clerk in a hotel.—*Columbia Jester*.

An Army of the Air

An aerial adjunct of the United States Army, under the rule of a commodore, with a chief of staff, a general board, six vice-commodores, and a corps of air scouts, is now in existence. In the issue of "Harper's Weekly" for January 14th E. D. Robinson tells of this new organization. Its headquarters are at 53 Fifth Avenue, New York, where types of airships of all kinds are to be seen and lectures are given. Camps are to be established throughout the country for the instruction of soldiers of aviation, and it is hoped that the Aeronautical Reserve will become a useful adjunct of the War Department.

How Man Grew Wings

The amazing progress in aviation is authoritatively related by Edward B. Moss, in the current issue of "Harper's Weekly." Some idea of this progress may be gained from the statement that on December 17, 1903, Wilbur Wright drove his biplane 852 feet in fifty-nine seconds, travelling at the rate of nine and a fraction miles per hour, at Kitty Hawk, North Carolina. On October 28, 1910, Maurice Tabuteau broke all previous records for sustained flight and distance by riding through the air for 289 miles in six hours in his Farman biplane. The feat was accomplished in the aerodrome at Etampes, France.

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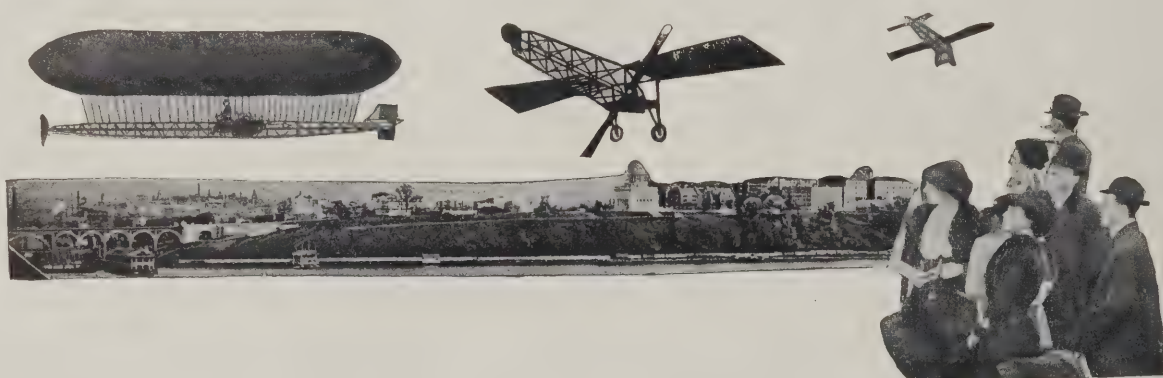
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"MOUNTAIN CLUB," MADE UP OF MEMBERS OF THE LEADERS FROM ALL VARIOUS BRANCHES OF COLLEGE ACTIVITIES AT WEST VIRGINIA UNIVERSITY (SEE PAGE 130)

THE INTERCOLLEGIATE

TOWNSEND BUILDING, 1123 BROADWAY, NEW YORK

An Illustrated Monthly Magazine Published in the Interest of
College Life and Athletics

Vol. XI.

MARCH, 1911

No. 6

Dartmouth's Winter Carnival

By KARL H. FULMER, Dartmouth

THE Dartmouth Outing Club, organized last year for the promotion of winter sports, struck such a responsive note in the undergraduate body that its success was immediately assured. Snowbound Dartmouth has long been accustomed to the "snow-shoer" and the "skier," but never until the organization of this club has the attention of the college been focused so completely on winter sports.

The popularity of the Outing Club spread so rapidly that a winter meet on a small scale was held last year. This winter the club carried its plans still further and in the middle of February held its first winter carnival. This proved one of the most unique events in the history of the college. Hanover has seen many years of

snowshoeing and ski-ing, but this year the college realized for the first time what possibilities are in store for it. The carnival assumed the nature of a mid-winter prom., and many fair guests were invited to the festivities.

The events of the carnival covered two days. On the first day were held all the preliminary heats in the various events, as snowshoe dashes and cross-country runs, ski jumping, ski dashes and cross-country runs, obstacle races, and ski and snowshoe relay races. The meet was held in the Vale of Tempe, one of the most delightful spots in the state. It is located in the College Park on the New Hampshire bank of the Connecticut. Its high hills and precipitous cuts and vales are wooded



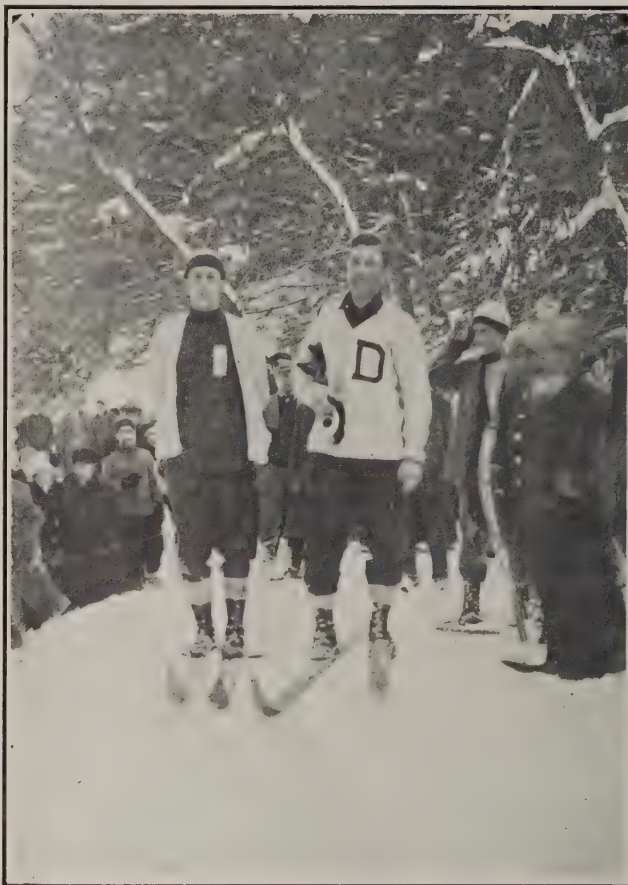
HARRIS, DARTMOUTH, MAKING BIG JUMP ON SKIS AT WINTER CARNIVAL

with heavy pines and when snowbound this vale is an ideal place for such a meet. The cross-country course, leading over the surrounding hills, winding through the long vales, and trailing beneath the heavy pines which border the river, is picturesque. The program for the evening of the first day included the presentation of "David Garrick" by the Dramatic Club. This was followed by the first Outing Club dance, held in College Hall.

On the second day of the carnival the program began with the hockey game with Massachusetts Agricultural College. Then the finals in all the events were held. The wonderful ski jumping of Cobb and Harris was the feature of the meet. A basket-ball game in the evening completed the carnival, but many of the guests tarried in Hanover to enjoy the winter scenes and life that were both new and refreshing. The great success of the carnival this year has assured it a permanent place in the calendar of Dartmouth's sports, and in the future it is the intention to conduct the carnival on a larger scale than was attempted this year.

The club has not been content to stop with the carnival, but has been conducting weekly trips to nearby places. Three mountains—Cardigan, Ascutney and Moose—are within a day's tramp. Farther to the north lies Moosilauke, and for the more ambitious the Dartmouth College Grant and the White Mountains are not too far distant. On these trips the members divide into "skiers" and "snowshoers" and later unite to enjoy a meal of coffee and bacon cooked over a big camp fire.

The great popularity of the work of the Outing Club is due partly to the broken country and long winters, as well as to the considerable number of students who have learned at home the joys of winter sports. But



COBB (LEFT), HARRIS (RIGHT), 1ST AND 2D WINNERS IN THE MEET AT FINISH OF SKI CROSS-COUNTRY RUN

backs and blankets tied across their shoulders, leave in all directions for a one or two day tramp. To the uninitiated the temptation is irresistible. They too must know the joys of winter sports.



"ON THE MARCH" OVER THE MOUNTAINS NEAR HANOVER

in addition to these, many of the men in college never had opportunity to ski and snowshoe until they came to Hanover, and the exhilaration comes to them with the greatest appeal. On Saturday afternoons parties of two, three or more, with bulging knapsacks on their

College Championships

The following table shows the distribution of the intercollegiate championships for the year:

Football—Harvard.
Baseball—Pennsylvania.
Track athletes—Pennsylvania.
Rowing—Cornell.
Cross-country—Cornell.
Association football—Columbia.
Basketball—Columbia.
Cricket—Haverford.
Golf—Yale.
Tennis—Princeton.
Shooting—Yale.
Swimming—Yale.
Gymnastics—Columbia.
Wrestling—Cornell.
Chess—Pennsylvania.
Chess—Princeton.
Fencing—West Point.
Hockey—Princeton.
Lacrosse—Harvard.



AVIATOR'S VIEW OF DARTMOUTH COLLEGE

Cornell Hockey Champions, 1911

By defeating Dartmouth February 18th 5 to 1, Cornell can now claim the undisputed right to the Championship in Hockey for the year 1911.

Cornell has played consistent hockey throughout the season, defeating all the colleges in the league, making a clean score of five games won against none lost; total of 49 goals to 13 for opponents. The standing of all is as follows:

	W.	L.	P. C.
Cornell	5	0	1000
Harvard	4	1	.800
Yale	2	3	.400
Columbia	2	3	.400
Princeton	1	4	.250
Dartmouth	1	4	.250

The championship team consisted of Evans, Vincent, Magner, Crassweller, Schen, Warner, Vail. Those who should be given the credit as the stars were Magner and Crassweller.

The Yale *News* of February 23d presented an All-Collegiate Hockey Team, selected by Mr. A. R. Hornfeet, the well known hockey referee and authority.

Below is his selection and comment on each:

On the right wing is placed Crassweller of Cornell, one of the best forwards in the League. Last year Crassweller played wing and played it far better than anyone the colleges have developed in some time. This

year he was moved to the center of the line, where he showed to good advantage. While a small man, he is a better wing than center. He has speed and handles the stick very well. Loutrel of Yale is given left wing, for although, like Crassweller, he is a center man, he is too good a player to be overlooked. Loutrel is a very fine defensive forward, has fair speed and dribbles very well. He is better than any regular left wing. Magner of Cornell, the best forward in the League, and in fact, after a careful study of the general playing strength of the men, regardless of the fact that center men have been chosen for the wings. If the seven best men were chosen according to the positions played all season, I should choose Vail for goal, Brooks for point, Huntington for cover point, and should place on the line from left to right, Leslie, Magner, Hornblower and Vincent.

Pro. Lawson in Bridges—Mr. Bidgood, how are pins put in place?

Bidgood, '11—They are heated.

Prof. L.—Do you mean the pin or the hole? If you mean the pin it will be too large.

Mr. B.—You heat the hole.

He—Would that you could know what is nearest my heart.

She—Oh, B. V. D.'s, I suppose; they're all wearing 'em.—*Columbia Jester*.

Life and Growth of West Virginia University

By T. B. FOULKE, Graduate Manager Athletic Department

WEST VIRGINIA UNIVERSITY is unique in one respect in that it is nearly as old as the State itself. It depends for its origin upon the national land grant of 1862, when lands or land script were granted each state in proportion to its Senators and representatives in Congress. West Virginia's apportionment, assigned her in 1864, was land script to the amount of 150,000 acres. When steps were taken to select a location for the college, among the many towns offering advantages to secure it, was Morgantown, already the seat of three institutions of learning—Monongalia Academy, Morgantown Female Seminary, and Woodburn Female Seminary. The joint trustees of the former and latter institutions offered all the property, valued at \$51,000, on condition that the college be located there, and this offer was accepted in 1867 by the Legislature when it passed an act establishing the "Agricultural College of West Virginia." Under the wise leadership of Alexander Martin, their president, the first "board of visitors" (eleven in number), decided to establish three distinct and separate departments: (1) Collegiate, (2) Scientific, (3) Agricultural, as well as instruction in military tactics. Subsequent appropriations, sales and enactments of Legislature led to the erection of other buildings, the first, in July, 1869, bearing the name of Martin Hall.

Of the seven regular presidents which the university has had, only one, Daniel Boardman Purinton, has been selected from the alumni of the school. Dr. Purinton, who had been acting president from 1881-2,

Thos. E. Hodges, who had been head of the Department of Science at the university until his election to the Board of Control in 1908. The powers and responsibilities of the president have been greatly increased since 1901, when several committees were abolished and their duties placed under his control.

For many years the growth of the university was slow and uncertain, due no doubt to feelings of sectional jealousy, to post-bellum political questions, to the lack of adequate means of communication with Morgantown, and to poor secondary schools throughout the State. In recent years the growth has been phenomenal. This has been due largely to industrial progress through the Monongahela valley, to the development of better secondary schools, and the establishment of preparatory schools at Montgomery and Keyser; to the addition of new departments and to the work of the field agent, a position created in 1895. In this connection it is surprising to note that the most remarkable increase in attendance came with the admission of women. In 1889 they were admitted to the collegiate department, in 1895-6 to the College of Law. As a result of the growth in members, the university has grown in special colleges and schools until now West Virginia University comprises:

- The College of Arts and Sciences,
- The College of Law,
- The Engineering School,
- The Agricultural Experiment Station,
- The Commercial School,
- The College of Agriculture,
- The College of Music.
- The School of Fine Arts.

The School of Medicine (affiliated with College of Physicians and Surgeons, Baltimore, Md.).

Few Universities are blest with a more perfect location than is the West Virginia University. Morgantown, situated on the banks of the Monongahela River, and in the midst of a rolling country, is a beautiful town of more than 12,000 people. It is on the Baltimore & Ohio Railroad, 103 miles east of Wheeling, and the same distance south of Pittsburgh. It has an unlimited supply of natural gas, waterworks, electric lights, trolley lines (two interurban), local and



WEST VIRGINIA UNIVERSITY CAMPUS

was called from Denison University in 1901, upon the resignation of President Jerome Hall Raymond. When Dr. Purinton's resignation, now in the hands of the Board of Regents, becomes effective, July, 1911, his place will be filled by another alumnus.

long-distance telephones, and is noted for its healthful conditions—physical, social and moral. The churches of eight denominations are represented and there are no saloons. One of the town's chief industries is glass-making, there being eight or ten glass

factories within a radius of five miles. At Sabraton, two miles away, is an immense steel plant under the control of the American Sheet & Tinplate Co.

The university campus slopes gently down to the Monongahela River, named long ago by the Indians, "River of Shelving Banks." The highest point of the campus is crowned by the observatory, from which a magnificent view of the surrounding country can be

of accommodating seventy-five girls, and managed by the Dean of Women and a matron. The university also has a farm of 100 acres on the outskirts of the city for the use of the Experiment Station and the College of Agriculture.

As yet the university boasts of no separate "gym," but in our present one, located on the first floor of Commencement Hall, ample opportunities for indoor



WEST VIRGINIA UNIVERSITY FOOTBALL LINE 1911. MUNK, LEFT HALFBACK, WAS KILLED IN GAME WITH BETHANY COLLEGE

obtained. Scattered over the campus may be seen the following buildings: Martin Hall, Woodburn Hall (on the site of the old Woodburn Seminary, which burned in 1873), Science Hall, Central Heating Plant, Agricultural Experiment Station, Library, Commencement Hall, Mechanical Hall, Fife Cottage, Armory and Observatory. At the entrance to the grounds stands the president's home, a handsome residence of gray stone. Three squares away is the "co-eds" dormitory, a long three-story house, capable

physical training are offered. The "gym" is furnished with complete anthropometric equipment, baths, dressing-rooms, lockers, and all modern gymnastic apparatus. The drill of the Military School is supplemented during the winter months by systematic calisthenics. Regular instruction is given the women students, too, and the joint exhibition given every March by the gymnasium classes is looked forward to with much interest.

The department of outdoor athletics, newly organ-

ized in 1908, is under the supervision of a Graduate Manager of Athletics. He is assisted by coaches. Football, basketball, baseball, track and tennis teams are organized and trained each season. The only fatality our football team has ever incurred was the death of Captain Rudolph Munk this past fall.

A compulsory athletic fee of \$5.00 (\$2.00 each for fall and spring terms and \$1.00 for winter term) entitles each student to admission to all games. Consequently the attendance is large and bleachers and grandstand are crowded with old gold and blue sympathizers. Two field days are held each year, one in the fall and one in the spring. Indoor meets for class championship arouse great interest each winter. All field sports are under the control of the Athletic Board of Control, consisting of five members of the faculty and five students.

The Athletic Field, flanked on three sides by the Armory, Mechanical Hall, and Commencement Hall, respectively, and on the fourth side by a hill, is admirably situated for its purpose. It is impossible for anyone to see any game without paying admission, and no unsightly high board fences are necessary.



TWO-MILE RUN AT WEST VIRGINIA UNIVERSITY

The field itself has recently been improved. It is provided with a grandstand capable of seating 1,000 people, and with bleachers able to accommodate 3,000 more. For special occasions, temporary grandstands are erected against the hillside.

Student life at West Virginia University is filled with an infinite variety of engagements, Friday night being particularly attractive. On this night, throughout the school year, the student may take his choice of Y. M. C. A. or Y. W. C. A., at 6.30; of Columbian or Parthenon Literary Society at 7.30; of Armory "hop" or "frat" dance later. On the first Saturday night of each new term the Christian Associations give a reception to the faculty and students for the purpose of getting better acquainted. The goal toward which the literary societies work in their weekly

meetings is the joint contest in oration, debate, essay and recitation, held during commencement week. Prizes aggregating \$100.00 go to the society to which the various winners belong.

Among the clubs found at West Virginia University are the Pennsylvania Club, the Masonic Club, the Odd Fellows Club, the Dramatic Club, the Choral Club, the Engineering Society, the Music Club, Cercle Dramatique Française, and the English Club. In most cases the names of the clubs are explanatory, but several deserve special mention. The Dramatic Club scored such a success with its play last year that it was reproduced in a neighboring town to a crowded house. The Choral Club, in addition to splendid work in itself, aims to bring to Morgantown at least one world-famous musician a term. This past fall Evan Williams sang, and in February, through the instrumentality of Louis Black, dean of our School of Music and director of the Choral Club, Madame Schumann-Heink will appear in a concert. The last success of the Cercle Dramatique Française was the presentation, in French, of Molière's "Le Bourgeois Gentilhomme." The English Club, which, tradition says, was modeled after the Hasty Pudding Club of Harvard, has by its limited membership and rigid requirements done much to raise the standard of scholarship among those anxious to obtain the honor of being a member. Its meetings once a month, attended by the members in cap and gown, are a delightful compound of serious literary efforts, earnest criticism and discussion and college songs. Once a year an open meeting is held at which some star in the literary firmament delivers an address and it has been under the management of Professor Patterson, founder of the Club, that for four years, Ben Greet has brought his company of English players to Morgantown in such productions as "Everyman" and the Shakespearian dramas.

Fraternities play an important part in the student life at the university. The following chapters of the following fraternities have been established in this order:

West Va. Alpha, of Phi Kappa Psi.
Delta, of Phi Sigma Kappa.
Mu Mu, of Sigma Chi.
Alpha Gamma, of Phi Kappa Sigma.
Alpha Rho, of Kappa Alpha (Southern).
Gamma Delta, of Delta Tau Delta.
Beta Psi, of Beta Theta Pi.
Gamma Pi, of Sigma Nu.
Gamma Beta, of Sigma Phi Epsilon.

The three sororities also, in the order of their entrance, are:

Iota, of Alpha Xi Delta.
Theta, of Chi Omega.
Beta Upsilon, of Kappa Kappa Gamma.

There has been a large chapter of T. N. E. here for some years, and there was once a flourishing chapter of Delta Chi (legal) though that chapter has been withdrawn. An engineering fraternity under the name of Theta Psi has a large membership, and likewise a medical one known as Kappa Psi. Finally, in the fall of 1910, after several years of deliberation, the council of Phi Beta Kappa established a chapter in West Virginia University. Every one of the first nine frats mentioned occupies a house, five owning theirs. The sororities observe pledge day, etc., in accordance with the rules of the National Pan-Hellenic Conference, but the only alliance among the fraternities is the Pan-Hellenic Dancing Club, which holds dances in a down-town hall every two weeks. The average size of a chapter is fifteen to twenty men; the average number of pledges yearly, five to twelve. Many of them keep "open house" one or two days in the school year—either May 30th, or on that day in February when occurs our biggest social event—Military Ball. In addition to this many of the frats entertain once or twice a term with card parties, dances or social gatherings in honor of their pledges.

Among the student publications of the university are "The Athenæum," a weekly paper, and "The Monongalian," a literary quarterly, each gotten out by editors elected by the student body. The year book, issued by the Junior Class in the spring of the year, is called "The Monticola." Its editor-in-chief is elected by the class and he chooses his associates from among his classmates.

Of the many diversions offered the student in Morgantown the most alluring are coasting and sleighing in the winter, boating, and driving to Cheat and other nearby points of interest in the summer.

So taking all in all, we of the "Little Mountain State," the "Switzerland of America," feel that, in our University, in its beautiful location, in its personnel of professors, and in the many advantages offered us, we are doubly blest. And West Virginia University has a future, to which it may look forward, for who can doubt that the development of West Virginia's vast mineral wealth will but be advantageous to her university?

First Glee Club Man—There's so much doing at home and the family are so anxious to see me that I'm going on the trip.

Second G. C. M.—Shake, I didn't make it, either.—*Widow.*

University of Pennsylvania News Items

Pennsylvania's seventeenth annual relay carnival, which, next to the Intercollegiate Championships, has come to be regarded as the most important track and field meeting of the year, will be held on Franklin Field April 29th. Graduate Manager Frank B. Ellis and his assistant, George W. Orton, last week announced plans for this meet. The classification of the minor colleges and schools has been completed.

This meeting has already assumed such great proportions that Pennsylvania is more concerned about keeping down the entries than adding to them. There are so many events and so many entries that it requires the most wonderful management to complete the long list of events on time, yet the management has never failed in this respect and it expects to handle the 1,500 entries this year with its usual dispatch.

Although it is too early now to state definitely the number and identity of the big colleges which will compete, it is believed that entries will come as usual from Yale, Cornell, Princeton, Harvard, Michigan, Chicago, Illinois, Columbia and Dartmouth, as well as a number of other prominent colleges both east and west.



ONE OF THE MANY PRETTY SCENES ON THE CHEAT RIVER
NEAR MORGANTOWN

One of the races will be a one-mile relay, open to all preparatory schools, for the purpose of deciding the preparatory championship of America. A similar race will be held for the high school entrants. Other prominent races are the one-mile college championship and two and four mile events for the same purpose.

The following prizes will be awarded: A fine silk banner to the winning team as a college or school trophy, and each member of the team will receive a silver loving cup. To each member of the team that finishes second, a silver cup. Third prizes will be given where six or more teams contest.

Gold watches will be given as first prizes in the championship events. Silver cups will be awarded for second and third teams, as in group cases.

Intercollegiate Socialist Society

By HARRY W. LAIDLAW, Organizer I. S. S., Wesleyan, 1907

"GIVE my hail to the students who are including humanity among their humanities," was the message sent by William Dean Howells, the "dean of American letters," to the delegates present at the convention of the Intercollegiate Socialist Society held in December last in New York City, one of the most remarkable gatherings of college students ever witnessed within the confines of the metropolis. The convention was the second annual one of the society, and was attended by delegates from a score of America's most representative colleges and universities.

The members and friends of the society also listened attentively during the sessions to the spoken hail of the author of "The Man with the Hoe," Edwin Markham; to Morris Hillquit, the astute debater and author; to Upton Sinclair, author of "The Jungle"; to John J. Spargo, the most prolific and effective of the American writers on Socialism; to Dr. Albert Sudekum, Socialist member of the German Reichstag for the last fifteen years, and a world authority on municipal government, and Mrs. Florence Kelley, expert on labor legislation.

The Intercollegiate Socialist Society itself was formed less than six years ago "for the purpose of promoting an intelligent interest in Socialism among college men and women, chiefly through the formation of study groups in the colleges and universities, and the encouragement of all legitimate endeavors to awaken an interest in Socialism among the educated men and women of the country."

The call for the organization of the I. S. S. was signed, among others, by Thomas Wentworth Higginson, the "grand old man of Harvard"; Oscar Lovell Triggs, B. O. Flower, Jack London, J. G. Phelps Stokes, W. E. Walling and Leonard D. Abbott. Mr. Sinclair was the backbone of the movement in its early stages. Recently he told of his experience while in college, where, he said, he had never been taught even of the existence of the Socialist movement. After graduation, in endeavoring to find a solution to the big problems before the nation, he discovered what this movement really was. "I found that a great educational and political movement had been organized for the great task which I saw needed to be done in the world," said Mr. Sinclair. "It had some twenty or thirty million supporters throughout the world; it polled some eight or ten million votes, and in all the ten years in which I was being educated I was not even informed of its existence. It was to make the study of this great movement possible in the colleges and universities that the I. S. S. was organized."

For the first year or two after the society was established, Mr. Sinclair conducted much of the work personally. "I carried this little baby in my arms for some time," said Mr. Sinclair. "My wife and I used

to sit up until two or three o'clock in the morning wrapping up bundles of literature to send to collegians."

Subsequently J. G. Phelps Stokes became the active head of the organization, superseding Jack London as president. The work of the society was first confined almost entirely to the distribution of literature. Chapters for the study of Socialism were then gradually established in the various colleges, and increased year



HARRY W. LAIDLAW, WESLEYAN, 1907

by year until, at present writing, the society has organized study groups at Harvard, Yale, Brown, Clark and Trinity in New England; Cornell, Columbia, Barnard, the University of Rochester, New York University, the University of Pennsylvania, C. C. N. Y., the Union and Meadville Theological Seminaries and the N. Y. Dentists' Colleges, in the middle states; the Universities of Michigan and Wisconsin, K. S. A. C. and Marietta College in the West, and Washington and Stanford Universities on the Pacific Slope.

As a natural consequence alumni chapters have followed in Boston, New York and Washington, that in New York being the largest.

The chapters carry on their work by means of public lectures at which speakers representing various shades of economic opinion address the students on Socialism and allied subjects; and, secondly, by means of study meetings at which various phases of the Socialist philosophy are discussed by the members themselves.

Perhaps the most successful of the chapters thus far is the Harvard Socialist Club, which owes its strength largely to the untiring efforts of Walter Lippmann, 1910, editor of the *Harvard Monthly*, and one of the

most brilliant men of his class. The present president of the club is Kenneth R. MacGowan, one of the editors of the *Monthly*, and prominent in many club activities. The meetings held this year have been attended by many hundreds of students, and an excellent program has been arranged. Prof. Zueblin, Mrs. Florence Kelley, ex-President Eliot, Lincoln Steffens and others have been brought to Harvard by members of the club.

Cornell comes a close second, the Yale Society for the Study of Socialism is looming into prominence, while the Columbia Socialist Club is a vigorous one. Gilbert J. Hirsch, a former Harvard debater and Columbia law student, did much to strengthen this group. At Columbia perhaps the largest of the meetings held in the college buildings in recent years took place on the appearance of Eugene V. Debs, Socialist candidate for President. In the Meadville Theological School over half of the student body are members.

John Spargo has recently made a tour of a dozen of the eastern colleges under the auspices of the society, and at each college has met with a warm welcome.

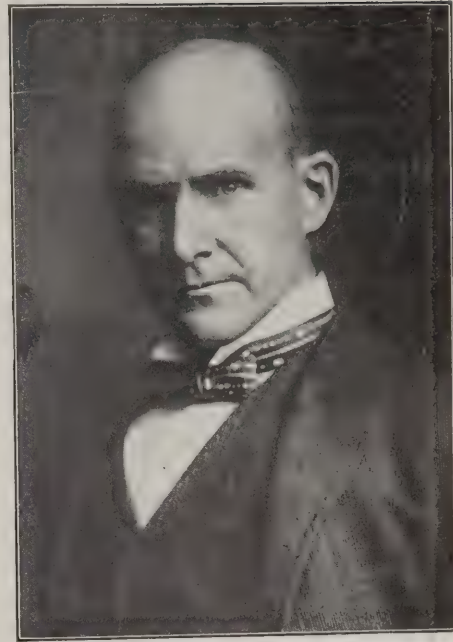
The society is not in any sense a propaganda organization, but exists for the purpose of encouraging an earnest, impartial study of this great Twentieth Century problem, and welcomes to its ranks Socialists and non-Socialists alike. The reasons why college students should be interested in this subject have been briefly set forth in its literature as follows:

First, the enormous growth and tremendous vitality of the Socialist movement make it important that the collegian study it as the greatest political phenomenon of the Twentieth Century. In 1870 there were thirty thousand Socialist votes in the world. Today there are more than nine million, and if adult suffrage obtained in all countries there would probably be at least



UPTON SINCLAIR

Courtesy Columbian Magazine



EUGENE V. DEBS

Courtesy Columbian Magazine

three times as many. In the year 1888 there were 2,067 Socialist votes cast in the United States; in 1908 the number had risen to 423,969, and in 1910 to over 600,000. In Milwaukee, a city of 400,000 inhabitants, the Socialists have already complete control of the city government.

Secondly, viewed from a purely educational standpoint, the study of Socialism and of the Socialist movement is of great value. "It may be said indeed," declared Prof. Richard T. Ely, of Wisconsin University (*'Socialism and Social Reform,'* page 145), "that nothing in the present day is likely to awaken the conscience of the ordinary man or woman, or to increase the sense of responsibility, as a thorough course in Socialism. The study of Socialism has proved the turning point in thousands of lives, and converted self-seeking men and women into self-sacrificing toilers for the masses."

The study of Socialism gives an insight into our whole national life. Its adherents claim that in their movement lies the only real solution of those great problems which are year by year forcing the nation into so grave a crisis.

The present officers of the I. S. S. are J. G. Phelps Stokes, Yale, president; Upton Sinclair, C. C. N. Y., first vice-president; Miss Elsie LaG. Cole, Vassar, second vice-president; Morris Hillquit, New York Law School, treasurer; Harry W. Laidlaw, Wesleyan, organizer; Algernon Lee, Minnesota, secretary. Executive committee—Mrs. Jessica G. Finch, Barnard; Rebe E. Hoguet, Harvard; Miss Jessie Wallace Hughan, Barnard; Paul Kennaday, Yale; Ernest Poole, Princeton; Miss Ida Rauh, New York Law School; Miss Mary R. Sanford, Vassar; Ellis O. Jones, Yale; Miss Helen Phelps Stokes. The headquarters of the society are in the Tilden Building, 105 West 40th street, New York City.

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YALE UNIVERSITY—Geo. F. Ingersoll.....	New Haven, Conn.

Harvard Gets I. A. A. Meet

At a recent meeting of the Intercollegiate Athletic Association of America, now known as the National Collegiate Association, held at the Waldorf-Astoria, Soldiers' Field at Harvard was selected for the annual meet for track athletes Friday and Saturday, May 26th and 27th. This action was decided after giving the Syracuse Stadium due consideration. Mr. Gustavus T. Kirby, chairman of the advisory committee, having made personal investigation, found that the track was not in the best of condition and the start and

finish of the 220-yard straightway could not be observed by the spectators.

It is very unfortunate that the authorities who planned the Syracuse grounds did not think of this, for there is no field that has better facilities to attend to the crowds that witness the games, and the accommodations for the contestants are the best. THE INTERCOLLEGIATE issued an article on the Syracuse Stadium in the February number and copies were mailed to those who had the say. Although the article answered many questions, the fact that spectators were cheated out of seeing all of the track caused the selection to go against it.

AMENDMENT TO RULES.

An amendment to the rules that govern competitors, offered by Columbia, was adopted, which provides that no athlete who, as a representative of any college or university identified with the association, has won a first, second, third or fourth place in any annual field or cross-country event, will be allowed to compete as the representative of another college or university which is or has within four years prior thereto been a member of the association. The representatives of the larger colleges, such as Yale, Princeton, Harvard and University of Pennsylvania tried to get through an amendment barring freshmen from the intercollegiates, but it was defeated and freshmen will be allowed to compete as formerly.

The officers for the ensuing year were elected as follows: President, Leslie Saule, Yale; secretary, John F. Hyatt, N. Y. U.; treasurer, A. H. Smith, Columbia; first vice-president, H. W. Goetz, Michigan; second vice-president, J. H. Huckley, Brown; the executive board, R. C. Floyd, Harvard; H. H. Rankin, Princeton; A. W. Roberts, Cornell; D. W. Williams, Pennsylvania.

Football Rules Committee Makes Some Changes

Some important changes made in the football rules was decided at the meeting of the Intercollegiate Rules Committee. The period of intermission between the first and second and third and fourth quarters proved too long last fall, and so it was reduced from three minutes to two minutes. A new rule was adopted permitting teams by agreement to transfer the supervision of offside play upon the line of scrimmage from umpire to head lineman. Also a severe penalty will be dealt where a player throws another to the ground after the referee declares the ball dead. Only three men will be allowed to walk up and down the field on each side of the line; formerly five men had this privilege. If the ball accidentally strikes an official it shall not become dead, but play shall continue. Penalty for forward passes in future shall be applied from the spot of the down and not on the spot from which the pass was made. The duty of keeping time was transferred from field judge to the umpire, and a player in catching for

a pass shall not be tackled or shouldered until he has caught the ball.

It was decided that if the ball, after having been formerly passed and having been legally touched, shall then be fumbled and touch the ground, the pass shall be considered incomplete. A foul following a first and second down committed on or behind the goal line by a player of the side in possession of the ball, while the ball is behind the goal line or in flight from a pass or kick delivered behind the goal line, shall be penalized by the loss of a down and the ball shall be put in play for the ensuing down on the one-yard line; if such foul follows a third down the referee shall declare a touch-down in favor of the offended side.

Mr. Walter Camp, Mr. E. H. Hall and Mr. Carl S. Williams were elected members of the Codification Committee with authorization to simplify and clarify the rules.

Prof. L. M. Dennis handed in his resignation as a member of the Committee on Rules.

Errors: "Printer's Ink" Article

The article "Printer's Ink at Harvard" which appeared in the February issue of THE INTERCOLLEGIATE was very favorably received by all those who read it, if the demand for copies proves anything. Of course, errors are likely to appear when writing such an article, two of which we wish to correct. The *Harvard Monthly* was founded in 1885, not in 1894, as was stated. Also, the *Harvard Engineering Journal* was classed as a graduate publication. The board of editors are graduates acting in an advisory capacity, but it is managed by undergraduates, being started in 1902 by students then in the university.

Intercollegiate Socialist Society

WE have been repeatedly asked to present an article on International Socialist Society, but held off on account of the division of opinion on the subject. The Socialists want the government to own and manage business pursuits. The cause, no doubt, is a good one, but the thought that all commercial enterprises be owned and run by the Government to supply food-stuffs, drink, common necessities, products for living, clothes, light, heat, railroads, steamships and coal, etc., etc., is well-nigh impossible. What good would it do if it were possible? Economy? No. Municipal ownership has proved that. If the Socialists would turn their efforts to government control they would get unlimited support.

Student—What is the matter?

Reed, '13—Why?

Student—You act as though you were running for a train.

Reed—No, I am training for a run.

Yale Drops Plan of Free Electives—Found it Tended to Scatter Students' Energies and Lent Itself to So-Called Snap Courses

Yale announced recently radical modifications of the elective system, substituting a curriculum which divides the courses of study offered to the undergraduates into groups covering the entire four years of the college career. The change, which has been under consideration for two years, will take effect at the beginning of the next school year, in September, but it is announced at this time in order to allow the students to make their scholarship choices for next year under the new regime.

Yale followed Harvard's lead fifteen years ago and plunged into a liberal elective system. Several years ago the Yale Faculty modified the plan so as to require students to take three minor courses, each involving two years' work, and a major course, calling for three or four years' work, in one of the main groups of study. This system has encouraged early specialization in the first two years, making it possible for a student to complete most of his major courses before the end of his third year, so that undergraduates often found themselves in senior year, and sometimes in junior year, with little but scattering and inconsequential work to do. Another difficulty has been that the plan permitted undergraduates to avoid difficult scientific courses—in other words, favored "snap courses."

Nine subjects are hereafter to be offered to freshmen. Under the old system a man has 125 different combinations of these subjects to choose from. This range is now cut to 60 for the average man, though the unusual man may receive special privileges of choice. Thus the new scheme is in its essence a faculty supervision over the choice of the average and inexperienced student—the kind of student who is lost in a free elective system and more or less at sea in the freedom of choices which Yale is now discarding.

In sophomore year the committee did not change to any marked extent the scheme of work. In the last two years, however, where under the old system the work has tended to be scattering, unsystematic, and unrelated to the first two years' work, a Yale junior and senior must hereafter complete a major course in one subject, and a minor in a related subject, continuing the work of sophomore year, and occupying together not less than half of the classroom work of the last two years.

The new scheme practically abandons, in its fundamental policy, the elective principle for undergraduates so far as it applies to wide choices within the chosen fields of study. It substitutes the experience of the Yale Faculty for the naturally inexperienced personal choices of the students.

Official Monthly Bulletin of the Intercollegiate Aeronautical Association of America

GEO. A. RICHARDSON, President
Univ. of Penn.

CYRUS McCORMICK, 1st Vice-Pres.
Princeton

DR. BIRD, 2d Vice-Pres.
Univ. of Virginia

Edited by **GEORGE ATWELL RICHARDSON**

ELMER RAE, Secretary
Cornell

THOS. MIDGELEY, Asst. Secretary
Cornell

S. S. MORRIS, Treasurer
Haverford

BY the time this number of THE INTERCOLLEGIATE reaches its readers, spring activities will be well under way. We trust that the activity which is always so marked in other lines will extend to aeronautics. If the college clubs intend to accomplish anything, now is the time to get busy.

Probably no time of the year is more delightful for taking up the sporting side of aeronautics. Fine days, the insistent lure of the season which draws everyone to the outside and renews ambitions, the need of a change after the strenuous winter, all combine to urge the enthusiast to action.

A thing that should not be lost sight of is the fact that less than three months remain before the Intercollegiate Gliding Meet. It costs so little to take part in a meet of this sort that every active club should take

immediate steps to make its entry. College pride of itself should be a sufficient stimulus.

It is a great pity that the secretaries of the various college aero clubs are not more alive to their opportunities. It is with the greatest difficulty that news is obtained for this aeronautical section, and then only after repeated urgings or by abstraction from oftentimes incorrect newspaper clippings.

Here is a splendid chance for clubs to advertise themselves and make themselves felt. We can use any material relating to the work being done by college aero clubs, wherever they are located. Condensed accounts of papers read and addresses made before the members would be especially acceptable.



"BABY WRIGHT"

Courtesy Columbian Magazine

Aviation News from the Colleges

COLUMBIA AERO CLUB

Mr. John B. Ryan, Commodore of U. S. Aeronautical Reserve, has promised to contribute fifty dollars towards a glider if the students of the university would collect the balance of the cost of the machine themselves.

There will be a lecture March 9th by P. W. Wilcox, '10, on "Engines and Propellers," Mr. Wilcox being the first college man that ever flew in a heavier than air machine.

WILLIAMS AERO SOCIETY

Another Balloon Ascension

Shearman, '11, president of the Aeronautical Society, will speak on aeronautics, and the work of the Williams organization, before St. Mark's Men's Club in Adams on Monday, March 13th. On Saturday, March 18th, accompanied by Hass, '11, he will make a balloon ascension from North Adams, during which he will take observations, in response to a request by the United States Aeronautical Reserve. Shearman will also write a thousand-word article describing the trip for a scientific magazine.

DARTMOUTH AERO CLUB

The first meeting of the year was held in trophy room of college hall. Mr. C. A. Edison, '14, chairman, announced that a glider would be ready for trial in a few weeks. A course of lectures on aeronautics, to be given every two weeks, will commence March 6th. It is hoped that from time to time outside speakers will be secured.

MICHIGAN AGRICULTURAL COLLEGE

An Aero Cub is in process of formation, and the men are showing great enthusiasm. They expect to have several gliders before June.

UNIV. OF PENN. AERO CLUB

University of Pennsylvania Aero Club is planning to enter the big intercollegiate gliding meet to be held at Harvard next June.

HARVARD AERO CLUB PLANS MEET

The second annual meet of the Harvard Aeronautical Society will be held at Atlantic City from August 26th to September 4th, provided the dates are approved by the National Council of Aero Clubs. Claude Graham-White has stated definitely that he will participate. It is expected that the Wright Brothers will send several of their machines, and that Curtiss, Willard, and Harmon will make flights. There will be no balloon ascensions.

The Harvard Aeronautical Society has 250 members enrolled.

PENN STATE

According to reports, a regular course in aeronautics is to be installed at Penn State. The construction of an aviation track has been commenced.

FROM THE DAILY PRINCETONIAN

Harvard has issued invitations to the aero clubs of the different universities and colleges of the country to take part in the big intercollegiate gliding meet which is to be held at Boston this June. Six of the aero clubs have signified their intention of competing and several others have the matter under consideration.

There are several trophies and prizes offered for the winners of this meet, among which are a silver cup offered by THE INTERCOLLEGIATE magazine and several trophies presented by the Harvard Society.

FROM CORNELL SUN

THE INTERCOLLEGIATE: This magazine for February contains pictures of members of the Cornell Aero Club while flying at a small distance above the ground.—*Cornell Sun*, February 22, 1911.

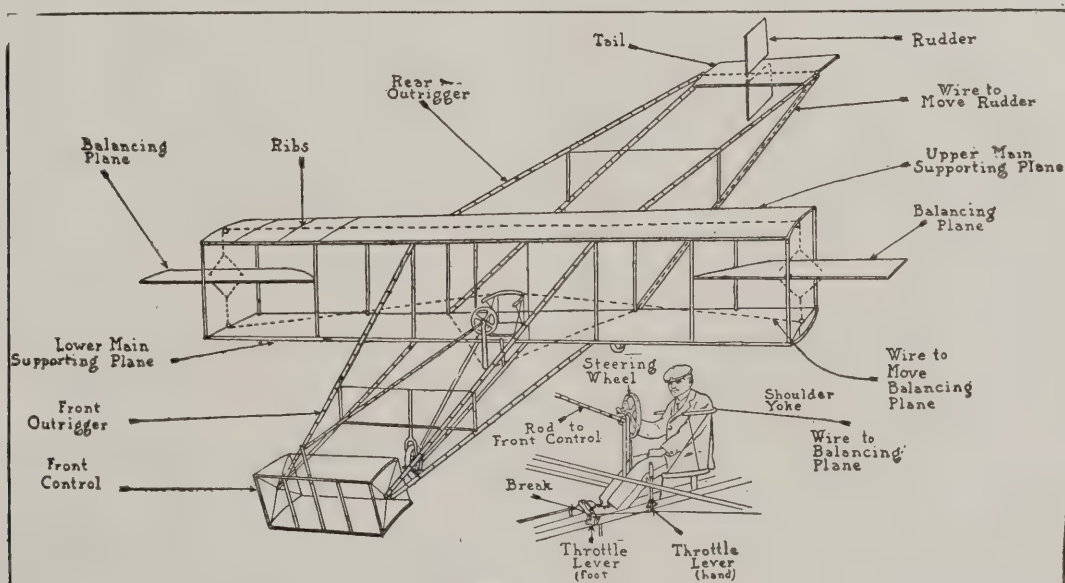


DIAGRAM OF A BIPLANE

Courtesy American Aeroplane Mfg. Co.

BIRD'S-EYE VIEWS OF CURRENT MAGAZINES, ARTICLES AND NEW BOOKS RELATING TO AERONAUTICS

"Aeronautics"—February, 1911

The amateur constructor will find the first installment of a very interesting and complete article on "How to Build a Curtiss-Type Biplane" in this number of *Aeronautics*. A plentiful supply of dimensioned diagrams and sketches serve to make clear all points taken up in the reading matter.

"The Physiology of High Flying," scale drawings of the 1910 light Farman, and "How Altitude Records Are Made," are all worthy of attention. The experimenter will find a description of a propeller-testing device which can be very easily made and should be useful for obtaining comparative data in regard to various types of propellers.

"Aeronautics"—March, 1911

The March number of several of the aeronautical magazines arrived just as the aeronautical bulletin was being made up.

Aeronauts all over the world are giving their attention to the solution of the problem of automatic stability, and consequently information in regard to any new attempts in that direction is eagerly sought. "The Dunne Automatic Stability System," by T. O'B. Hubbard, secretary of the British Aeronautical Society, describes a series of trials made by the inventor, Mr. Dunne, on the grounds of the Royal Aero Club at Eastchurch.

The system, which is patented, depends for its effectiveness solely on the form and arrangement of the surfaces. Both lateral and longitudinal stability is claimed to be obtained by the form of construction and the inventor demonstrated his confidence in his machine by locking the lever controls and writing down his observations on a sheet of paper while flying in a brisk wind.

An interesting news item calls attention to the fact that it has remained for a Scotch insurance company to be the first one to handle aerial insurance covering accidents to aviators.

"Aeroplane Reconnaissance" presents the results of some military tests made by the Moissant International Aviators at San Antonio, Texas, recently. The results would indicate that one-man reconnaissance, at least, cannot yet be said to be a success. On the other hand it would seem from the information given, that a second passenger or observer could have made himself invaluable.

A continuation of "How to Build a Curtiss-Type Biplane," which is fully illustrated, appears in this number.

A new department is introduced to the reader this month and is one that should be of great value. It is headed, "Aero Motors in America," and aims to present, each month, a table giving the main details of all American-made aero engines. The usual construction notes, news items, etc., complete the number.

First Student—The professor gave me a zero today.
Second Student—That's nothing.

Mr. H. opens the window and the papers blow all over the floor.

Bright Senior—Why don't the paper wait?

"Do you ever expect to see that five dollars Jones borrowed from you?"

"No, I've given that up for Lent?"—*The Widow*.

"Aircraft"—March, 1911

Now that this magazine is entering on its second volume it can rightfully take its place among the older aeronautical magazines. A pleasing change from the black half-tone cover, used for some months past, to one of a brown tone, is quite noticeable.

Height and speed records are necessarily very interesting to read about, but in a practical direction the problem of continuous flight is far more important than almost any other one thing. It is upon this that the value of the aeroplane in ordinary commercial and pleasure use is going to depend. "Continuous Flight," by H. A. W. Wood, is the opening article in the March number.

T. R. MacMechen, author of "Aeroplanes and Dirigibles: Their Respective Spheres," does not believe that the dirigible is without a future. He feels that both aeroplanes and dirigibles have their respective functions to perform and that the development of both will go along hand in hand. The article is well written in a convincing manner.

A description of the "Valkyrie I," a monoplane of Scotch origin, accompanied by scale drawings of same, "Construction Drawings of a Bleriot Model," and the regular monthly features, complete the list.

"Aircraft"—February, 1911

"*Aircraft*," in its present shape, is primarily a popular magazine and designed for the general reader. It is full of interesting articles and our limited space prevents more than a mention of them. Naturally, as the magazine is the official organ of the Aeronautical Reserve, the majority of these relate to the military side of aeronautics. The following is a list of the main articles in the February number:

"The Nation's Need of An Aerial Fleet," by Hudson Maxim.

"War and the Aeroplane," by Major F. W. Ward, N. G. N. Y.

"John B. Moissant," by Richard Ryland.

"Wireless and the Aeroplane," by Harry Horton, U. S. A.

"A Year of Aviation," by Henry Woodhouse.

"The Influence of Air-Power Upon History. A Forecast," by G. E. Cronin, 23d N. Y. Infantry.

"The Development of Aviation in the Navy," by Captain Chambers, U. S. N.

"What Germany Has Done in Military Aeronautics," by Wingrove Bathon.

"Fortification of the Panama Canal," by J. W. Mitchell.

"Present Status of Military Aeronautics," by H. Woodhouse.

"Popular Dictionary of Aeronautical Terms," by A. E. Horn and W. I. Heller.

Indignant Student—Professor, why am I marked zero?

Professor—Because, sir, it's the lowest mark I can give you.

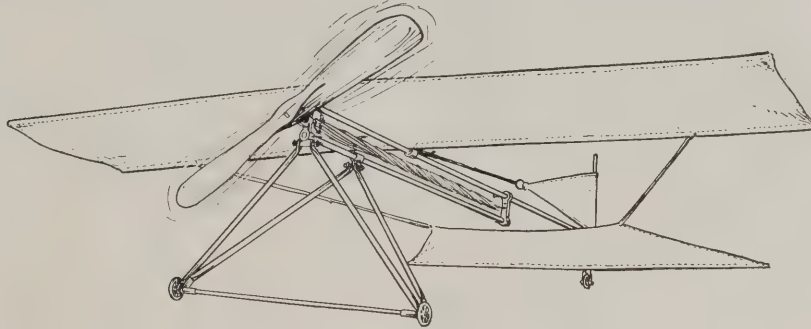
Muddledum—Wonder what makes the telegraph lines hum?

De Broke—I've wired dad for dough, and I guess he's talking back.

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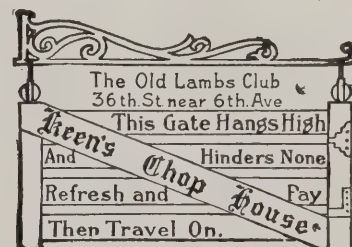
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Cleveland Special Dispatch.—Sept.—A well-known Wheeling, W. Va., chemist has succeeded in producing chunks of denatured alcohol in crystal form by means of a small infusion of certain acids, whereby crystals of an alkaloidal nature very closely resembling physiologically the effects of ethyl alcohol distilled from sawdust. The method employed and the results obtained are somewhat similar to the crystallizing of rock candy or that of saccharine, containing as it does 350 times the sweetening strength over that of cane sugar, so this alkaloidal crystallized alcohol contains many times the strength over the ordinary denatured fluid alcohol. They will yield 194 proof denatured alcohol with a greater heating and cooking power for stoves than gasoline, and it is absolutely non-explosive.

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IN

The Intercollegiate

OFFICIAL ORGAN INTERCOLLEGIATE AERO ASSN.



April
1911

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THE INTERCOLLEGIATE

ILLUSTRATED

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CAPTAIN ALAN L. COREY
YALE BASEBALL TEAM, '11

THE INTERCOLLEGIATE

TOWNSEND BUILDING, 1123 BROADWAY, NEW YORK

An Illustrated Monthly Magazine Published in the Interest of
College Life and Athletics

Vol. XI.

APRIL, 1911

No. 7

The Sacred Scow

An account of the annual play given by the students of the Architectural Department of the University of Pennsylvania.

By **GEORGE ATWELL RICHARDSON, Univ. of Penn.**

IN the cold, gray dawn of the February morning it could be seen that a vast army of big black rats had invaded the university campus. There were rats in the dormitories, rats in the bushes and rats climbing trees. Truly it was a wonderful sight, and the passerby speculated on its meaning.

An innocent freshman sought to explain the phenomenon by saying that he had heard that rats always left a doomed vessel, and that it was very likely that these might have come from some one of the old vessels along the Delaware or Schuylkill. He was scornfully silenced, however, by a blasé sophomore who said that the co-eds had had an ice cream feast the night before and they had lost the rats in the fracas that followed.

Many of the rats were caught by students and others in the course of the day, but so large was their number that many escaped, and it was without surprise that the arrival of a large band of fierce and hungry looking cats was noted the next day, who, as soon as they had made themselves at home, began cleaning up the rats.

Such was the amusing and novel beginning of the advertising campaign for the sale of tickets to the annual show given by the students of the Architectural Department of the University of Pennsylvania. The rats were merely printed on cards, which were distributed broadcast without any explanation, and this was followed with the cards bearing pictures of cats. The curiosity of the uninitiated was roused to a high degree, and when the third lot of cards bearing the picture of one of the aforesaid lean and hungry cats laying for a rat and the words, "Don't be caught without a good ticket for the architectural play. Now on sale. The Sacred Scow," a record breaking sale of seats commenced, which crowded the Grub Street Treatre with capacity audiences for six nights.

The annual architectural play—for this is the tenth year that similar performances have been given

—is in a class by itself. It is indeed an architectural play. From start to finish everything is done by undergraduate architects. Architectural students write the libretto and all the music each year. Others paint the scenery and attend to all the details of stage management. Still others comprise the orchestra, sell the programs and librettos, paint posters and dis-



"THE SACRED SCOW"
(MR. ELDER BLACKLEDGE)

pose of tickets. Needless to say, the actors themselves are architects and the plot of the show deals with the experiences of architectural students. Not a bit of outside help from start to finish, and the



"FATIMA"
(W. J. H. HOUGH)

result is one of the most popular of the yearly student entertainments of any kind whatsoever. Even the Grub Street Theatre is, in everyday life, a building used as a studio.

The show given this year was entitled "The Sacred Scow," so-named after the sacred cat of the Egyptians, which played an important part in the development of the plot. Undoubtedly it was by far the best that has ever been given.

But why tell about the show when we can go ourselves. We're out for fun and fun we'll find there in plenty. Even the jokes at the expense of professors are kindly in their nature, and we shall come away feeling in better spirits than we have for many a day. Come along, friends; I've got the tickets, so it's all right.

"Thirty-sixth street, please, conductor. Yes! This is where we get off. Don't you see that lighted sign pointing the way to the Grub Street Theatre. The theatre is just around the corner of the Provost's tower on the 'Big Quad.' It's a long, low-lying building. Ah! There it is. From the crowd at the door we're going to see a full house to-night, I reckon. Ha! Ha! I don't wonder that you ask whether that is a Black Hand symbol on the door. It's where the Sacred Scow put his muddy paw. There are more of his footprints along the floor. No chance of getting lost here."

As we seat ourselves well up toward the front we



"HEINIE"

take an inventory of the surroundings. Cats, cats, cats everywhere, on the walls and rafters. Big ones, little ones, long ones and skinny ones, contorted in shapes that would only be experienced in a night-

mare; and, crowning all, immediately above the proscenium arch is a picture of the Scow himself. Plenty of old friends can be seen scattered through the audience. Miss Venus de Milo, one of the popular belles of the season, is over there in the corner with a new dress on. She doesn't look as well as usual in it, but you know that the evening dress that she always wears met with public disapproval. From now on it's high-necked gowns. Even Apollo's track suit came under the ban, and he was forced to scare up the first thing at hand. No wonder his new clothing is put on so carelessly. A man who has been celebrating with a bottle the size of that one in his hand is lucky to be able to stand up straight.

The footlights are on. Concert Meister Sohn, with

It seems that Earnest Danvers and "Buck" Brown are among the contestants for the big design competition. "Buck" has had poor success, and, with the last day of the contest on hand, he finds himself with nothing accomplished, while Danvers has a splendid design. To cap all, Flora Fancy, a dainty and charming bit of femininity who is a co-ed, appears on the scene and says that she will marry the winner of the contest. Brown and Danvers agree to abide by her decision.

Of course we can't run the act through in this matter-of-fact way, so our friends, the fair co-eds, entertain us with their graceful antics and tuneful voices. Other students appear on the scene from the various departments and tell why they came to Penn.



GRANT W. SIMON AS BUICK HASSAN, JOHN GRAHAM, JR., AS ERNESTES, W. J. H. HOUGH AS FATIMA, H. L. SHAY AS HEINREICHTINOUS HYSOX

his big bushy head of hair, rises and leads the stirring overture. Our program tells us that the first act takes place in "The Desecrated Chapel, now known as Cell No. 200, College Hall. Charette of the Grand Prix d'Ambler." As the curtain slowly rises we see a corner of the draughting room and, bending over their drawing boards, a group of architects singing:

"As you can see, we're architects; we're sons of Laird & Cret,

Our business is to work and draw most everything but pay."

—and so it goes through three pathetic verses.

"And Walter Camp has picked me out
To get my 'varsity 'P,'

At Penn, this spring, in tiddle-de-winks
I play left tiddle, you see."

And so they sing and frolic. But the competition has been a hard one, and as the visitors retire from the scene Danvers, exhausted from many nights of work, sinks into a deep sleep. "Buck" Brown sees his opportunity, and while the unconscious Danvers sleeps on steals his design. "Who has got the upper hand now?" he says, as he silently moves away. Slowly the night hours pass. Tommy Hassel, the

janitor, makes his rounds, sweeping and dusting, and still Danvers sleeps on. Finally the stage is deserted. In the midst of the darkness nothing can be seen but Danvers under the glare of his drop light. But, no! What is that moving patch of gray? It's the mummy of Rameses III come to life, and as we watch he does a mystic dance, casting a spell over the sleeping student as the curtain falls amidst great applause.

We're not given any rest between acts, for our old friends Mutt and Jeff, the long and short of it for fair, tell us that we must buy the only original words and music, etc. Only twenty-five cents, and a gift that will make any girl happy.

lance of the Faculty we are unable to present this scene. It will, however, be presented in Paris, Vienna and Atlantic City during the coming summer by the original cast.)

Scene 3—Applause (by request).

That sounds interesting, eh? And a lively act it proves to be. Danvers wakes up to find himself at the court of Rameses III. All his old college friends are there, but they are friends of another age. None of them know anything about Pennsylvania, and, while they know him, it is only as a celebrated architect who has gone out of his mind while designing a mausoleum for the king. Danvers is utterly at loss



FAIR CO-EDS AND CLASSMATES—"SACRED SCOW," U. OF P.

Once again we turn to our program, and see the following:

ACT II.

Scene 1—A dream of four thousand years ago. Egypt as the tourist doesn't see it. Terrace of the Palace of the Pharoos. A gouche se trouvent les deesses Mutt et Nitt, batta dans le troisième Siècle par Kufu. C'est très gentil—n'est pas, gentle reader? Also (as Dr. Laird would say), the pyramidal objects in the distance are the pyramids of Gizeh. In the middle distance is the sparkling golden brown of the blue Nile, perambulating upon its eternal journey to the sea.

Scene 2—Fatima's boudoir. (Owing to the vigi-

to account for things. His drawing paper has become a stone tablet and his pen a cold chisel and hammer. Flora Fancy as Fatima, the king's daughter, and "Buck" Brown as Buick Hassen, an Egyptian nobleman, are there and the same old rivalries are existing. Buick attempts to steal Danvers' plan, which he finally succeeds in chiseling out, but he is detected and the king orders him banished, while Fatima is awarded to the famous architect.

Act III brings us back once more to the university on the morning of the end of the competition. Danvers awakens in a dazed state, not knowing where he is. He is conscious of some peculiar dreams, but cannot explain them. It is nearly time for the judges



H. LEWIS SHAY AS HEINREICHTINOUS HYSOX

to appear and "Buck" Brown arrives with his stolen plans, which are hung up for inspection. Danvers cannot find his, and, while he remembers dreaming something about "Buck," he is made to believe that he fell asleep and had never done his plans.

The judges appear and after much deliberation award the decision to "Buck" Brown, who at once claims Flora for his own, while poor Danvers is left in despair.

It chanced, however, that Danvers discovers that the plans bear his marks, and, remembering his peculiar dream, he at once taxes "Buck" with their theft. "Buck" confesses; and Danvers, in the goodness of his heart, promises to say nothing about it, and to give him another chance if he will leave the place at once forever. "Buck" consents, and the judges are called back again and, after having it explained to them that there was a mix-up in the plans, transfer the prize to Danvers, and, of course, Flora Fancy becomes his at the same time.

As the curtain drops to the singing of a ringing Pennsylvania song we rise to leave. It has been a

glorious evening and we have thoroughly enjoyed it. The whole thing has gone with a zest that belongs only to amateur shows which are well carried out.

The acting has been cleverly done. Never was there such a coy and pretty girl as "Billy" Hough, and the fair chorus maidens cause many a palpitating heart. And what an amiable old cat was the Sacred Scow, who, in the second act, solemnly prophecies and cavorts about.

H. L. Shay as Heinreichtinous Hysox, High Priest, etc., etc., who, in the twentieth century is reincarnated as Heinrich von Hunseig Gesundheit Schultz, architectural student at the University of Pennsylvania, would have made the sides of a barn split with laughter. He was easily one of the hits of the evening. The remainder of the cast did their parts well and the greatest credit is due to everybody, not only those on the stage, but those behind who, while not appearing directly before the public, have fully as important parts to play as many of the actors.

It is performances such as these that give flavor to

JOHN GRAHAM, JR., AS ERNESTES, W. J. H. HOUGH
AS FATIMA

student life and in future days will stand forth among the pleasant memories of a never-to-be-forgotten time of a man's life.

THE SACRED SCOW.

As produced at the Grub Street Theatre,
March 6th to 11th, 1911.

Book by D. M. Kirkpatrick, '11, and J. P. Sims, '12.

Music by Reginald Wadsworth, '10.

Cast of Characters in Order of Appearance.

ACTS I AND III.

Earnest Danvers.....John Graham, Jr., '11

Buckingham Brown.....Grant M. Simon, '11

Heinrich von Hunseig Gesundheit Schultz

H. Lewis Shay, '11

Flora Fancy—soft and fluffy, with a generous portion
of savoir faire.....W. J. H. Hough, '11

Tommy Hassel—down-trodden janitor, martyr to
powers that be.....Carlyle Greenwell, '11

Grace Godleigh—a flower (of the lemon tree)

Albert Simons, '11

Mummy of Rameses III.....F. W. Hastings, '11

Wilson Wharton.....Dan Hogan, '13

David Dent.....Brumbaugh, '13
Victor Vet.....J. P. Sims, '12

ACT II.

Ernestes.....John Graham, Jr., '12

Rameses III.....F. W. Hastings, '11

The Sacred Scow.....Elder Blackledge, '14

Heinreichitous Hysox—high priest, night watchman
of the mortuary temples of Der-El-Bahari; exalted
protector of the Sacred Scow...H. Lewis Shay, '11

Tomasus—body servant to Ernestes

Carlyle Greenwell, '11

Fatima (both mild and sweet)—daughter to king

W. J. H. Hough, '11

Buick Hassen—an Egyptian noble

Grant M. Simon, '11

Gracefo (an Egyptian pomegranate, or modern lemon)
—affinity to the high priest....Albert Simons, '11

Harold, the Herald.....W. M. Schwab, '12

Pharaoh's Phire Phalanx.....W. M. Schwab, '12

ACT III (Only).

First, Second and Third Judges, three students, who,
for obvious reasons, preserved their incognito.

Chorus of Students, Slaves and Co-Eds.

Girls—Hunt, McDonald, Adams, Graham, Todd.

Men—Brumbaugh, Evans, Tylor, Fullerton, Lambert.



YALE "GYM" TEAM THAT WON CHAMPIONSHIP, 1911

Courtesy Yale News

1911 Baseball at Stevens Institute

By F. W. McCARTHY, Stevens

INTEREST in athletics is usually confined to the particular sport in which the reader is a participant. The follower of college baseball will no doubt be interested to know how an institution which does not boast of a large enough gymnasium for indoor spring practice has circumvented this difficulty in a very novel manner.

Modern improvements in steamship pier construction may be said to have provided the means for indoor work this spring, for the team of Stevens Institute of Technology, at Hoboken, N. J. Hoboken is known chiefly for its two most important possessions—Stevens Institute and the docks of the big liners, and it seems only fitting that one should provide means of aiding the other. This they have done, and the new pier of the Holland-American line resounded throughout its upper floor during all of February and early March with the sound of glove and ball.

accompanying illustration. Uncle Sam's customs men and tourists were very much astonished to find their domain so invaded, but unless there was a steamer due they were forced to grin and bear it. Both light and roomy, the pier made a cage of which any indoor team might be proud.

It was late in March before the squad abandoned indoor work and started batting practice in the cages on Castle Point field, under the watchful eyes of Frank L. Quimby. Mr. Quimby, at one time captain



CAPT. R. V. MANN, STEVENS BASEBALL TEAM, '11
COACH QUIMBY, YALE GRADUATE

of Yale 'Varsity, has played shortstop for the crack team of the South Orange Field Club in Jersey for a number of years, and has for the past two years coached that organization, which has become one of the fastest amateur nines in the East. Stevens was particularly fortunate in obtaining the services of a man so admirably fitted for the work of rounding up a team, and one who, because of his long residence in Jersey, has the interest of his State's famous tech school sincerely at heart. Coach Quimby and Captain Mann were kept very much on the jump during the first week's work, for a team had to be picked to send against an enemy within ten days after the start of outdoor work.

Castle Point Field, the beautiful new athletic oval recently laid out on a portion of the old Stevens estate, overlooking the Hudson, was not ready for occupancy this year until just before the first game. Rains and lack of sunshine had aided a late thaw in keeping the grass diamond and its paths in a condition entirely unfit for use, and Captain Mann was forced



STEVENS INSTITUTE ATHLETIC FIELD

The call for candidates at the institute was issued early in February and the next day saw about fifty aspirants for "big league reputations" crowding the numerous large spaces about the armory-like interior of the pier, a portion of which may be seen in the

to confine his workout to a small space at the north end of the field, beyond the cinder track. Mr. Quimby as a tutor, however, proved of such ability that at the time of writing this article he had whipped into shape a fairly snappy team, which, although purely temporary, showed promise of a particularly brilliant season. This, with no diamond to practise on and practically no battery workouts beyond those earlier in the season on the pier. As a slight advantage to oppose this was the fact that all of last year's 'varsity material was available with only one exception.

In the manager's department, those in charge have succeeded in drawing up a good, practical schedule of fifteen games, which, although not including quite enough trips for the ambitious athlete hungry for travel, shows good judgment in selecting teams well

remaining games will all be played either near or at home, and will not tire the team with long journeys.

There are a few changes in the schedule over that of last year, Lehigh, Rensselaer, Washington, Syracuse and West Point having been taken off and games with teams nearer home added. St. John's, Manhattan, Delaware, Union and Brown are the new ones. The schedule is marked by a number of games succeeding each other in very close order. There are three games with only two days intervening, and two with only one day's rest. The character and number of students at Stevens—it being strictly a school of engineering where a great deal of application to work is required, with only a few hours a week available for practice—make it impossible to turn out a team with a large number of substitutes. That is, substitutes who are capable of going in and doing the work of a regular player. Every team playing more than once a week should have a number of men in reserve who are just as good as those occupying regular berths. For two games one day apart, two pitchers are necessary, and although there are always two or more boxmen, there is usually one who is the man preferable by both captain and coach to have on the mound. He is available for only one of the games, and the chance must be taken with the other.

For a small college, however, with a comparatively small squad of applicants, the team of Stevens bids fair to establish a record for itself which will be hard to beat.



MANAGER T. FURLOM, STEVENS
BASEBALL TEAM, '11

matched with our own. There are a number of games with near-by out of town teams. These include college nines and snappy amateur teams of well known suburban clubs, as South Orange Field Club and Montclair. The game with the former will prove of interest because of the fact that Coach Quimby acts in that capacity for both combinations and will actually play his regular shortstop position with the suburbanites. The only out of town games constituting trips of any great length are those with Union at Schenectady and Brown at Providence. The usual two games with Rutgers are on the list; one of these necessitating an hour's run to New Brunswick. The



STEVENS INSTITUTE GROUNDS

Official Baseball Schedule, 1911

April 1

Bowdoin vs. Brown, at Providence.
Columbia vs. Rutgers, at South Field, N. Y. City.
Fordham vs. Stevens Inst., at Fordham.
New York vs. Yale, at New Haven.
Univ. of Pennsylvania vs. Ursinus, at Franklin Field, Philadelphia.
Princeton vs. Villa Nova, at Princeton.

April 4

Amherst vs. Univ. of Pennsylvania, at Franklin Field, Philadelphia.

April 5

Brown vs. Univ. of N. H., at Providence.
Columbia vs. St. John's College, at South Field, N. Y. City.
Fordham vs. Princeton, at Princeton.
Trinity vs. Yale, at New Haven.

April 6

Cornell vs. Wash. American League, at Washington.

April 7

Andover vs. Dartmouth, at Andover.
Cornell vs. Georgetown, at Washington.
C. C. N. Y. vs. N. Y. U., at Ohio Field, N. Y. City.

April 8

Brown vs. Trinity, at Providence.
Columbia vs. Seventh Regiment, at South Field, N. Y. City.
Cornell vs. Baltimore Eastern League, at Baltimore.



CAPTAIN C. B. M'LAUGHLIN
HARVARD BASEBALL
TEAM, '11



MANAGER GILBERT E. JONES, JR.
HARVARD BASEBALL TEAM, '11

Dartmouth vs. Georgetown, at Washington.
Fordham vs. St. John's, at Fordham.
Gallandet College vs. Johns Hopkins, at Washington
Lehigh vs. West Point, at West Point
New York Univ. vs. Union, at Ohio Field, N. Y. City.
New York Nationals vs. Yale, at New Haven.
New York Americans, 2d, vs. Princeton, at Princeton.
Univ. of Pennsylvania vs. Swarthmore, at Franklin Field, Philadelphia.
Univ. of Pittsburg vs. West Virginia Univ., at Morgantown.
Rutgers vs. Stevens, at New Brunswick.

April 10

Brown vs. Providence League, at Providence
Cornell vs. Georgetown, at Washington.
Dartmouth vs. Eastern, at Manassas.

April 11

Cornell vs. Dartmouth, at Atlantic City.
Univ. of Penn. vs. Philadelphia National League, at Philadelphia Ball Park.

April 12

Brown vs. Mass. Aggies, at Providence.
Catholic Univ. vs. Fordham, at Washington.
Cornell vs. South Orange Field Club, at South Orange.
Dartmouth vs. Princeton, at Atlantic City.
Navy vs. Rutgers, at Annapolis.

April 13

Baltimore Eastern League vs. Princeton, at Princeton.
Columbia vs. Mt. St. Joseph's College, at Baltimore.
Dartmouth vs. Penn State, at Atlantic City.
Fordham vs. Georgetown, at Washington.
Rutgers vs. Washington and Lee, at Lexington.

April 14

Carnegie Technical Schools vs. West Virginia Univ., at Morgantown.

Columbia vs. Western Maryland College, at Westminster.
 Dartmouth vs. Univ. of Pennsylvania, at Atlantic City.
 Norfolk League vs. Yale, at Norfolk.
 Princeton vs. Virginia, at Charlottesville.
 Rutgers vs. Washington and Lee, at Lexington.

April 15

Brown vs. Penn. State, at Providence.
 Carnegie Technical Schools vs West Virginia Univ., at Morgantown.
 Columbia vs. Catholic Univ., at Washington.
 Cornell vs. Lehigh, at Ithaca.
 Dartmouth vs. Univ. of Pennsylvania, at Atlantic City.
 Eastern vs. Fordham, at Manassas, Va.
 Georgetown vs. Princeton, at Washington.
 Harvard vs. Johns Hopkins, at Baltimore.
 Middlebury College vs. Ren. Poly. Inst., at Troy.
 New York Univ. vs. Swarthmore, at Swarthmore.
 Rutgers vs. Virginia Military Inst., at Lexington.
 Univ. of Virginia vs. Yale, at Norfolk.

April 16

Annapolis vs. Harvard, at Annapolis.

April 21

Georgetown vs. Univ. of Pennsylvania.
 West Virginia Univ. vs. Central League, at Morgantown.

April 22

Andover vs. Yale, at New Haven.
 Brown vs. Princeton, at Providence.
 Cornell vs. Columbia, at Ithaca.
 Fordham vs. Lehigh, at Fordham.
 Johns Hopkins vs. Washington, at Chestertown, Md.
 Montclair A. C. vs. Stevens, at Montclair.
 New York Univ. vs. Rutgers, at Ohio Field.
 Univ. of Pennsylvania vs. Georgetown, at Washington.
 Ren. Poly. Inst. vs. West Point, at West Point.
 Rochester vs. Syracuse, at Syracuse.
 West Virginia Univ. vs. Wheeling, of the Central League, at Morgantown.
 Williams vs. M. A. C., at Williamstown.

April 24

Lawrence vs. Princeton, at Lawrenceville.
 Univ. of Pennsylvania vs. West Virginia Univ., at Franklin Field, Philadelphia.

April 26

Bowdon vs. Univ. of Pennsylvania, at Philadelphia.
 Brown vs. Tufts, at Medford.
 Columbia vs. Univ. of Pennsylvania, at Philadelphia.
 Fordham vs. Yale, at New Haven.
 Lafayette vs. New York Univ., at Easton.
 Princeton vs. West Virginia Univ., at Princeton.

April 27

Harvard vs. Maine, at Cambridge.
 Maryland Aggies vs. West Virginia Univ., at College Park.

April 28

Cornell vs. Fordham, at Fordham.
 Eastern vs. West Virginia Univ., at Manassas.

April 29

Brown vs. West Point, at West Point.
 Columbia vs. Crescent A. C., at Bay Ridge.
 Cornell vs. Princeton, at Princeton.
 Colby vs. Harvard, at Cambridge.
 Colgate vs. Rochester, at Hamilton.
 Dartmouth vs. Mass. Aggies, at Hanover.
 Fordham vs. Swarthmore, at Fordham.
 Franklin and Marshall vs. Lehigh, at South Bethlehem.
 Johns Hopkins vs. Western Maryland, at Westminster, Md.
 Manhattan vs. Stevens, at New York.
 Navy vs. West Virginia Univ., at Annapolis.
 New York Univ. vs. Pratt, at Ohio Field.
 Univ. of Pennsylvania vs. Yale, at New Haven.
 Ren. Poly. Inst. vs. Worcester Poly. Inst., at Worcester.
 Rutgers vs. Union, at New Brunswick.
 Trinity vs. Williams, at Williamstown.

May 1

Manhattan vs. Rochester, at New York City.

May 2

Bates vs. Harvard, at Cambridge.
 Dartmouth vs. Lafayette, at Hanover.
 Univ. of Pennsylvania vs. Virginia, at Franklin Field, Phila.
 Rochester vs. Seton Hall, at South Orange.

May 3

Brown vs. Lafayette, at Providence.
 Columbia vs. Stevens Inst., at South Field, N. Y. City.
 Fordham vs. Univ. of Virginia, at Fordham.
 Holy Cross vs. Yale, at New Haven.
 Princeton vs. Williams, at Princeton.
 Rochester vs. West Point, at West Point.

May 4

Bowdoin vs. Harvard, at Cambridge.
 Brown vs. Univ. of Virginia, at Providence.



MGR. W. F. PETERSON CAPT. A. B. MAGNER
 CORNELL BASEBALL TEAM, '11

April 17

Dartmouth vs. So. Orange Field Club, at So. Orange, N. J.
 Fordham vs. Univ. of Virginia, at Charlottesville, Va.
 Georgetown vs. Princeton, at Washington.
 Univ. of Pennsylvania vs. Johns Hopkins, at Baltimore.
 Portsmouth League vs. Yale, at Portsmouth.
 Rutgers vs. Mt. St. Joseph, at Baltimore.

April 18

Columbia vs. Dartmouth, at South Field, N. Y. City.
 Georgetown vs. Yale, at Washington.
 New York Univ. vs. Tufts, at Ohio Field, N. Y. City.
 Univ. of Pennsylvania vs. Virginia, at Charlottesville.
 Rutgers vs. Mt. St. Mary's, at Emmitsburg.

April 19

Army vs. Dartmouth, at West Point.
 Brown vs. Wesleyan, at Providence.
 Catholic Univ. vs. Johns Hopkins, at Washington.
 C. C. N. Y. vs. Stevens, at Hoboken.
 Fordham vs. Lafayette, at Fordham.
 Lehigh vs. Tufts, at South Bethlehem.
 Pennsylvania State vs. Princeton, at Princeton.



MGR. W. C. AGRY CAP. C. A. AMERSON
DARTMOUTH BASEBALL TEAM, '11

Cornell vs. Penn. State, at Ithaca.
Dartmouth vs. Syracuse, at Syracuse.

May 5

Allegheny vs. West Virginia Univ., at Morgantown.
Cornell vs. Dartmouth, at Ithaca.
New York Univ. vs. Wesleyan, at Ohio Field, N. Y. City.
Penn. State vs. Syracuse, at Syracuse.
Virginia vs. Yale, at New Haven.

May 6

Allegheny vs. West Virginia Univ., at Morgantown.
Brown vs. Stevens, at Providence.
Colgate vs. Ren. Poly. Inst., at Troy.
Columbia vs. Yale, at South Field, N. Y. City.
Cornell vs. Dartmouth, at Ithaca.
Eastern College vs. Johns Hopkins, at Manassas.
Fordham vs. Wesleyan, at Fordham.
Harvard vs. Vermont, at Cambridge.
Lehigh vs. Rutgers, at New Brunswick.
New York Univ. vs. Trinity, at Hartford.
Univ. of Pennsylvania vs. Princeton, at Franklin Field, Philadelphia.
Rochester vs. Syracuse, at Rochester.

May 7

Dartmouth vs. Tufts, at Hanover.

May 10

Amherst vs. Harvard, at Cambridge.
Brown vs. Princeton, at Princeton.
Columbia vs. New York Univ., at South Field, N. Y. City.
Cornell vs. Colgate, at Ithaca.
Fordham vs. Univ. of Pennsylvania, at Philadelphia.
Lafayette vs. Lehigh, at Easton.
Williams vs. Yale, at New Haven.

May 11

Michigan vs. Syracuse, at Annapolis.
Washington and Jefferson vs. West Virginia Univ., at Morgantown.

May 12

Alfred vs. Rochester, at Alfred.
Michigan Ag'l. College vs. Syracuse, at Lansing.
Washington and Jefferson vs. West Virginia Univ., at Morgantown.

May 13

Brown vs. Harvard, at Cambridge.
Columbia vs. Lafayette, at Easton.

Cornell vs. Princeton, at Ithaca.
Dartmouth vs. Williams, at Williamstown.
Delaware College vs. Johns Hopkins, at Newark, Del.
Fordham vs. Georgetown, at Fordham.
Lehigh vs. Swarthmore, at Swarthmore.
Michigan vs. Syracuse, at Ann Arbor.
New York Univ. vs. Wesleyan, at Middletown.
Univ. of Pennsylvania vs. Yale, at Franklin Field, Philadelphia.
Ren. Poly. Inst. vs. Rutgers, at Troy.
Rochester vs. St. Bonaventure, at St. Bonaventure.
Stevens vs. So. Orange F. C., at South Orange.
Washington and Jefferson vs. West Virginia Univ., at Morgantown.

May 15

Hamilton vs. Syracuse, at Syracuse.

May 16

Hamilton vs. Rochester, at Rochester.

May 17

Amherst vs. Williams, at Amherst.
Brown vs. Yale, at New Haven.
Cornell vs. Fordham, at Fordham.
Franklin and Marshall vs. Rutgers, at New Brunswick.
Harvard vs. Syracuse, at Cambridge.
Lafayette vs. Princeton, at Princeton.
Marshall College vs. West Virginia Univ., at Morgantown.
New York Univ. vs. St. John's, at Ohio Field, N. Y. City.
Univ. of Pennsylvania vs. Holy Cross, at Franklin Field, Philadelphia.

May 18

Cornell vs. Dartmouth, at Hanover.

May 19

Cornell vs. Williams, at Williamstown.

May 20

Brown vs. Columbia, at Providence.
Cornell vs. Univ. of Pennsylvania, at Franklin Field, Philadelphia.
Dartmouth vs. Vermont, at Burlington.
Fordham vs. West Point, at West Point.
Harvard vs. Princeton, at Princeton.
Hobart vs. Rochester, at Rochester.
Holy Cross vs. Yale, at Worcester.
Johns Hopkins vs. St. John's, at Annapolis, Md.



MGR. H. O. BARKER CAPT. W. C. GILES
BROWN BASEBALL TEAM, '11

Manhattan vs. Ren. Poly. Inst., at Troy.
 Marietta vs. West Virginia Univ., at Morgantown.
 New York Univ. vs. Union, at Schenectady.
 Pratt Inst. vs. Lehigh, at So. Bethlehem.
 Rutgers vs. Wesleyan, at Middletown.

May 23

Amherst vs. Yale, at New Haven.

May 24

Brown vs. Univ. of Pennsylvania, at Franklin Field, Philadelphia.

Eastern vs. Fordham, at Fordham.

Univ. of Keio (Japan) vs. West Virginia Univ., at Morgantown.

Lehigh vs. Penn. State, at So. Bethlehem.

Michigan vs. Princeton, at Princeton.

Stevens vs. St. John's College, at Hoboken.

May 25

Dartmouth vs. Williams, at Hanover.

Fordham vs. Holy Cross, at Fordham.

Michigan vs. Syracuse, at Syracuse.

May 26

Dartmouth vs. Penn. State, at Hanover.

Delaware vs. Stevens, at Hoboken.

Hamilton vs. Rochester, at Clinton.

Michigan vs. Syracuse, at Syracuse.

West Virginia Wesleyan College vs. West Virginia Univ., at Morgantown.

May 27

Brown vs. Michigan, at Providence.



MANAGER ROBERT M. WELLWOOD, '12
 N. Y. U. BASEBALL TEAM, '11

Cornell vs. Yale, at Ithaca.
 Delaware vs. Rutgers, at New Brunswick.
 Fordham vs. Trinity, at Fordham.
 Harvard vs. Holy Cross, at Worcester.
 Lafayette vs. Lehigh, at Easton.
 Univ. of Penn. vs. Princeton, at Princeton.
 Ren. Poly. Inst. vs. Univ. of Vermont, at Burlington.
 Rochester vs. Union, at Schenectady.
 Wesleyan vs. Williams, at Middletown.

May 29

Dartmouth vs. Tufts, at Tufts College.

Denison College vs. West Virginia Univ., at Morgantown.

May 30

Amherst vs. Williams, at Williamstown.

Andover vs. Harvard, at Andover.

Brown vs. Yale, at Providence.

Cornell vs. Univ. of Penn., at Ithaca.

Dartmouth vs. Holy Cross, at Worcester.

Denison College vs. West Virginia Univ., at Morgantown.

Fordham vs. Georgetown, at Fordham.

May 31

Holy Cross vs. Princeton, at Princeton.

Rutgers vs. Stevens, at Hoboken.

Syracuse vs. U. S. Military Academy, at West Point.

June 1

Brown vs. Cushing Academy, at Providence.

June 2

Colgate vs. Rochester, at Rochester.

Ohio Univ. vs. West Virginia Univ., at Athens.

June 3

Amherst vs. Brown, at Amherst.

Columbia vs. Syracuse, at South Field, N. Y. City.

Cornell vs. Williams, at Ithaca.

Dartmouth vs. Harvard, at Cambridge.

Fordham vs. Holy Cross, at Worcester.

Lafayette vs. Univ. of Penn., at Easton.



CAPT. RICHARD E. ELLIFFE, JR.
 N. Y. U. BASEBALL
 TEAM, '11

Lehigh vs. Manhattan, at So. Bethlehem.
 Marshall College vs. West Virginia Univ., at Huntington.
 New York Univ. vs. Stevens, at Ohio Field, N. Y. City.
 Princeton vs. Yale, at New Haven.
 Rutgers vs. Union, at Schenectady.
 Trinity vs. Ren. Poly. Inst., at Hartford.

June 6

Brown vs. Univ. of Penn., at Providence.
 Dartmouth vs. Vermont, at Hanover.

June 7

Amherst vs. Princeton, at Princeton.
 Columbia vs. Lafayette, at South Field, N. Y. City.
 Fordham vs. Wesleyan, at Middletown.
 Harvard vs. Univ. of Penn., at Cambridge.
 Syracuse vs. Yale, at New Haven.

June 8

Dartmouth vs. Univ. of Pennsylvania, at Hanover.
 Holy Cross vs. Williams, at Williamstown.
 Syracuse vs. Tufts, at Medford.

June 9

Massachusetts Ag'l. College vs. Syracuse, at Amherst.
 New York Univ. vs. Univ. of Vermont, at Burlington.

June 10

Amherst vs. Syracuse, at Amherst.
 Brown vs. Harvard, at Providence.
 Columbia vs. U S. Military Academy, at West Point.
 Hobart vs. Rochester, at Geneva.
 Holy Cross vs. Univ. of Penn., at Worcester.
 Lafayette vs. Lehigh, at So. Bethlehem.
 New York Univ. vs. Univ. of Vermont, at Burlington.
 Pratt Inst. vs. Rutgers, at New Brunswick.
 Princeton vs. Yale, at Princeton.
 Ren. Poly. Inst. vs. R. I. State, at Troy.
 Stevens vs. Union, at Schenectady.



MANAGER CLIFFORD HEMPHILL
 WILLIAMS BASEBALL TEAM, '11



CAPTAIN ABBOT P. MILLS
 WILLIAMS BASEBALL
 TEAM, '11

June 13

Alumni vs. Princeton, at Princeton.
 Alumni vs. West Virginia Univ., at Morgantown.
 Columbia vs. Syracuse, at Syracuse.

June 14

Amherst vs. Brown, at Providence.
 Harvard vs. Holy Cross, at Cambridge.
 Univ. of Pennsylvania vs. So. Orange Field Club, at Franklin Field, Philadelphia.

June 15

Princeton vs. Yale, at New York (in case of tie).

June 17

Brown vs. Tufts, at Providence.
 Cornell vs. Yale, at New Haven.
 Harvard vs. Williams, at Cambridge.
 Rutgers vs. Stevens, at New Brunswick.

June 19

Cornell vs. Univ. of Pennsylvania, at Ithaca.
 Wesleyan vs. Williams, at Williamstown.

June 20

Cornell vs. Alumni, at Ithaca.
 Harvard vs. Yale, at New Haven.

June 21

Brown vs. Alumni, at Providence.
 Cornell vs. Univ. of Pennsylvania, at Franklin Field, Philadelphia.

June 23

Harvard vs. Yale, at Cambridge.

June 26

Amherst vs. Dartmouth, at Amherst.

June 27

Amherst vs. Dartmouth, at Hanover.

June 28

Harvard vs. Yale (in case of tie), at New York.

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HAVERFORD COLLEGE—Douglas P. Falconer.....	Haverford, Pa.
HOLY CROSS COLLEGE—Wm. F. McKenna.....	Worcester, Mass.
JOHNS HOPKINS UNIVERSITY.....	Baltimore, Md.
LAFAYETTE—E. G. Cunningham.....	Easton, Pa.
LEHIGH—J. M. Bley.....	South Bethlehem, Pa.
NEW YORK UNIVERSITY—W. H. Hamilton, Jr.....	New York, N. Y.
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RENSSELAER POLYTECHNIC—A. Alexander.....	Troy, N. Y.
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RUTGERS COLLEGE—Vivian C. Ross.....	New Brunswick, N. J.
STEVENS INSTITUTE—F. W. McCarthy.....	Hoboken, N. J.
SWARTHMORE COLLEGE.....	Swarthmore, Pa.
SYRACUSE UNIVERSITY—Edgar B. Ingraham.....	Syracuse, N. Y.
UNIVERSITY OF PENNSYLVANIA—G. A. Richardson.....	Philadelphia, Pa.
UNION—H. N. Trumbull.....	Schenectady, N. Y.
WESLEYAN—F. E. Mansfield.....	Middletown, Conn.
WEST POINT MILITARY ACADEMY—Philip B. Fleming.....	West Point, N. Y.
WEST VIRGINIA UNIVERSITY—Tom Foulk.....	Morgantown, W. Va.
WILLIAMS COLLEGE—Frank B. Tiebout.....	Williamstown, Mass.
YALE UNIVERSITY—Geo. F. Ingersoll.....	New Haven, Conn.

Baseball In Full Swing

Baseball has started in earnest and many of the teams have already proved their superiority. Yale and Princeton both beat N. Y. U., Pennsylvania won from Ursinus, Annapolis from Amherst, Brown from Bowdoin, Fordham from Stevens; Harvard has done good work and Cornell has a winning team.

Yale Gymnastic Champions, 1911

At the annual gymnastic meet held at New Haven March 18th, Yale proved to have the best team, getting three times as many points as the nearest competitor. This is the second consecutive time Yale has won this meet.

N. Y. U. and Columbia were sadly in the rear; previous years both of these colleges have won the championship, but the falling off has not been on account of lack of interest, the chief reason being the graduation of stars, such as the Belcher boys in N. Y. U.

Points scored this year are as follows:

Yale, 25; Rutgers, 8; Penn., 7; Harvard and Princeton, 5 each; Columbia, 2; Haverford, 1½; N. Y. U., ½.

Columbia Wins Basketball Championship

This year showed revival of spirit in basketball. In late years this sport has fallen off in prestige on account of it interfering with other forms of athletics, and most particularly "gym," it having been complained that the "gym" work was interfered with by the basketball team practising; however, on the other hand, other sports had to give way and arrange their time differently.

Columbia beat Yale, N. Y., Penn. and Princeton by a large margin, which puts them on 1000 per cent basis.

An All-College Water Polo Team

An all-collegiate water polo team for season of 1911 has been chosen by Mr. F. P. Currier, of City Athletic Club, as follows: Rothschild, Pennsylvania, goal; Rheinstein, Princeton, right back; Gordy, Yale, left back; Harper, Yale, center; McLanahan, Princeton, left forward; Battles (captain), Princeton, right forward; substitutes, Bartlett, Princeton, back; Pell, Columbia, forward.

Princeton vs. N. Y. U. Game

Princeton won from N. Y. U. by a good margin, as the score was 19 to 5.

This being one of the first games of the season, it hardly proves the strength of either team, individually or on a comparative basis. N. Y. U. were minus some of their best men, therefore, with rather ragged playing on their part accounts for their poor showing. Captain White, Sterrett, Lackey and Winnant played good ball for Princeton, but received wretched support.

New York University has a loan fund of \$18,000, from which students who need it may obtain assistance. In most cases the promissory note given is payable two years after graduation. The interest received is added to the principal, so that the fund is constantly growing.

Official Monthly Bulletin

of the

Intercollegiate Aeronautical Association of America

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Edited by **GEORGE ATWELL RICHARDSON**

BARELY more than two years ago we read with wonder and interest of one-man flights in aeroplanes. The difficulty with which even these were accomplished under many conditions, however, led skeptics to say that that was as far as aeroplane progress would go. Then came two-passenger and finally three-passenger flights, and still there were shortsighted people who persisted in saying that no further developments were possible.

The latest developments so far outshine these early attempts that we feel in duty bound to call attention to them. On February 2, 1911, M. le Martin took up seven passengers on a five-minute trip at Pau, France, a record which was destined to be broken within a very short time, for on March 23d Louis Breguet, at Douai, France, carried eleven passengers a distance of two miles in his monoplane. The flight was made at a height varying from fifty to seventy-five feet. The total weight of the persons was 1,315 pounds, and the combined weight of the machine and its occupants 2,602 pounds.

If in the short space of two years the number of passengers carried has been increased from none to eleven, is there any good reason to believe that the next few years will not see an even greater development in that direction. Certainly the outlook is a hopeful one, at any rate.

The lethargic condition in which many of the college aero clubs seem to be at the present time is a source of continued regret to us. What is the reason for it? Is it because the students have no interest in aeronautics or is it because the proper leaders are not at hand to push them on to success?

Success in this world is usually due to enthusiasm, push, aggressiveness and stick-to-itiveness. Without all four of these qualities it is doubtful if a man can reach the highest places. In developing an organization they are of prime importance. There are bound to be times when things do not go as smoothly as they might, and this is the time when the qualities mentioned are most needed. Enthusiasm inspires confidence in others, while it maintains hope in its

possessor. Push and aggressiveness strike out for recognition, whether it is given grudgingly or no. And stick-to-itiveness is the trait which carries all obstacles before it, sooner or later.

We often wonder whether much attention is paid to these qualities in a man when the officers of a college society are elected. Too often mere personal popularity or some similar consideration are the dominating motives in electing a man.

It is nice to be an officer of an organization and to see one's name in print as being such a one, but what does it amount to if no attempt is made to accomplish anything. It certainly is no honor to be the officer of an organization if one makes no attempts to carry that organization to success by continued activities. Persistent work is required and where this is not present the word "failure" is spelled.

It is not to be understood that the remarks made in this editorial apply to all the clubs. There are a number that are doing a lot of excellent work. Furthermore, in some places, even where strenuous attempts have been made to arouse interest, it has not seemed possible to do so. We are rather indulging in generalities with the idea of causing a little thinking.

It is certain that there is not the interest that there should be. This is especially true in regard to the Intercollegiate Association. There is something wrong somewhere, for the proper amount of co-operation is lacking among a great many of the clubs. There does not seem to be enough enthusiasm to even cause club secretaries to send in news items of their clubs' activities regularly and thus help along the movement. It would seem that this thing at least would be done of their own volition, but as it is news items are dragged out by main force. A general getting together of the various clubs through the monthly bulletin is the very thing that would react the most to the benefit of the individual societies.

The president of the Intercollegiate Association does not like to speak of his own activities, but he does feel that in view of the consistent way in which he has worked for the forwarding of the welfare of the association he has received miserable support. At the cost of a great deal of time and work, with a not

inconsiderable expenditure of money which has come out of his own pocket, he has labored steadfastly to make the organization worth while. And what is the result? In spite of the fact that the association has been placed in a position where it could make itself a most influential body there has not been sufficient interest among the members to make them put their shoulders to the wheel and help push. The Intercollegiate Association is not a one-man organization by a long shot, and it should receive every one's active support.

Let it not be felt that this is a declaration of discouragement. Far from it. Mr. Richardson is right on deck and he intends to stay there as long as he is given the opportunity. He has never felt in a more hopeful mood than at the present time. But one man can't accomplish much when he receives no assistance on the firing line.

Shake off your lethargy. Get out and hustle and try to arouse enthusiasm. As has been said so many times before, there are plenty of things that a college aero club can take up to advantage and which need not necessarily cost much. There's no reason why the college aeronautical movement should not progress as rapidly as the movement outside does. It isn't too late to turn over a new leaf. The beginning isn't even over yet and the possibilities of the future are immense.

One of the most encouraging things that has come to notice recently is the large response which has come to the invitation extended by the Harvard Aeronautical Society to participate in an Intercollegiate gliding meet. It is reported that eleven entries are now at hand.

Aviation News from the Colleges

NORTHWESTERN UNIVERSITY, EVANSTON, ILL.

Largely as a result of the interest aroused by the lecture on "Flight" given recently by Mr. Richardson, President of the Intercollegiate Aeronautical Association, a debate on aeronautics was recently engaged in by the student members of the Engineering Club of Northwestern University.

The following report of the debate was very kindly sent in by the Secretary of the Club, Mr. M. C. Hobart:



THE ENGINEERING CLUB, NORTHWESTERN UNIVERSITY,
EVANSTON, ILL.

Debate on Aeronautics.

Six members of the Engineering Club of Northwestern University (Evanston, Ill.) engaged in a discussion upon the relative merits of the aeroplane and dirigible balloon at the regular meeting of February 21st. Messrs. Clapp, Jones and McPherrin upheld the affirmative, and Messrs. Stoekle, Whiting and Greene, the negative of the question, "Resolved, That

the aeroplane will be of more commercial value in 1920 than the dirigible balloon."

The affirmative contended that there is not much future for either in carrying heavy freight because of the expense in comparison with present methods. The three fields are sports, mail delivery and warfare. In these fields the aeroplanes are continually making new progress and new records, while no important records have been broken by dirigibles. While sports may not be exactly a commercial use, yet it was first in sporting circles that the automobile appeared and developed until to-day no one questions its importance as a commercial vehicle.

The superior speed of the planes gives them a greater value for mail carrying, while in warfare they present a much smaller surface to the enemy's fire. Although at present the aeroplanes are not exceptionally stable, it must be remembered that they are in the first stages of development, while dirigibles date back for many years. If the planes continue to advance in the next ten years they are certain to be of greater commercial value than the balloons, which have failed to become of value after ninety years of existence.

The disadvantages of the balloon, as pointed out by the affirmative, are: Its great weight, due to the necessary rigid frame, the large size of the gas bag, the necessity of gas supply, and the difficulty of making the frequent landings which would be required in commercial service.

In reply the negative maintained that the safety, reliability, comfort and economy of the dirigibles made them the more valuable; that the great weight which the affirmative urges against the balloon was a favorable circumstance. A heavy Pullman car rides much more easily than a light interurban car. In an aeroplane the safety depends to a great extent on the aviator himself. In warfare the plan of building the gas bag in sections eliminates the danger of loss of gas supply. Then, too, the present system of supplying liquid hydrogen in tanks does away with the necessity of cruising within a limited area.

As for commercial possibilities, the fact that there are some four million dollars invested in dirigibles and their manufacture in Germany, shows that they must be looked upon as a

commercial possibility with a future. One of the members figured that, allowing \$150,000 for the total cost of a dirigible and necessary housings and landings, with an additional \$42,000 for running expenses during 150 days out of the year, the income would yield a very handsome profit. At the present passenger rate on dirigibles in Germany, and carrying fifteen passengers on each of the 150 days of the year, the income would be \$180,000. This might be increased by projecting advertisements of various firms upon the sides of the gas bag during the night flights.

The negative thus narrowed the field of the aeroplane down to sports, and even there it is not satisfactory because of its dependence upon weather conditions. J. A. Drexel states that while the plane is unquestionably a marvel, the type has approached its limit and is now a nice toy.

The decision of the judges was unanimous for the negative, but the scoring of points by each judge showed that the debate was nearly a tie.

M. C. HOBART, *Secretary,*
Engineering Club of Northwestern University.

Elsewhere in this section will be found a picture of the members of the Engineering Club.

HARVARD AERONAUTICAL SOCIETY.

Eleven entries have been received for the Intercollegiate Gliding Meet which will be held on the Harvard Aviation Field May 3d to 6th.

The contests will be divided into two classes, one for gliders using mechanical means of control, the other for those controlled by movements of the operator's body. The prizes will be awarded on the basis of efficiency, the ratio of the total weight per square foot of supporting surface and the distance covered being factors in the awards. An additional prize for the greatest totalization of distance during the meet has also been offered.

The slope which will be used is of a portable wooden type and can be placed facing the direction of the wind. Its angle will be about 30 degrees with the ground and the height 25 feet. A car, running on a six-foot track, will be used to haul the gliders to the starting platform at the top and this same car will be used for the purpose of giving necessary forward momentum. The aviator stands on the car, which is allowed to descend the slope. When sufficient speed has been gained he will leap off the car and make his flight.

Hangars are being built and it is expected that several of the local contestants will commence active practice by April 1st. A most interesting and successful competition is looked forward to.

WILLIAMS COLLEGE AERO CLUB

The first intercollegiate balloon race will start from Pittsfield, Mass., on May 20th, the contestants being the representatives of the aero clubs of Amherst and Williams Colleges. A suitable prize will be offered.

Under present plans three men will be carried in each balloon and a maximum gas capacity of 35,000 cubic feet will be the rule. A professional pilot may or may not be used.

President Shearman, of this club, has been very active along the line of ballooning. He was the leading organizer of the Williams Club and has made several balloon flights. At the present time he is very enthusiastic over the question of an Intercollegiate Balloon Race, to be conducted along the lines of the Gordon Bennett Race. Invitations will be sent to all the college clubs. The probable date is about **June 3d.**

DARTMOUTH AERONAUTICAL SOCIETY

The Dartmouth Society has challenged the Williams Aeronautical Society to a balloon race to be held May 27th. The challenge has been accepted.

The Dartmouth organization is a very active one and it is doing good work. Papers on aeronautics are given at the various meetings, one glider has been built and a second is under way, and a model contest, with a silver cup for a prize, has been planned.

CORNELL AERO CLUB

The Cornell Club has received a new eight-cylinder sixty-horsepower Darracq motor which will be installed in the club's new aeroplane.

A very active program has been planned for the spring, glider construction being one of the many things to be taken up.

BIRD'S-EYE VIEWS OF CURRENT MAGAZINES, ARTICLES AND NEW BOOKS RELATING TO AERONAUTICS

"Bit and Spur"—February, 1911

This magazine, which in the past devoted itself entirely to hunting, racing, kennel and related subjects, is now giving space to the subject of aviation. The February number contains four pages of general aeronautical news, together with several illustrations of aeroplanes.

"Aircout"—March, 1911

The March *Aircout* contains a number of very interesting illustrations. One set of views of "Foreign Aeroplane Builders at Work" attracts especial attention.

Special articles this month are limited in number and include the following: "Aeroplane War Fleets: An Interview with Representative Richmond P. Hobson," "Patrolling the Mexican Border," "How the Army Got the Aviation Fund," and "The World's Record Men of 1910-1911." The regular general news and society items complete the issue.

"Aircraft"—April, 1911

Another change in the color of the cover. This time it is deep pink, a color which does not show up nearly as attractively as the brownish half-tone of last month.

It is a curious thing that many people who are fearful of standing on or looking out from great heights, seem to feel no fear whatsoever when flying. In fact the evidence goes to show that the element of height fear is seldom found, even among the most timid, when they essay flight. "Air-Courage vs. Height Fear," by H. A. Wood, treats of this interesting psychological problem.

"Aviation World's Records," checked to Decem' er 31, 1910; a description and scale drawings of the Hanriot monoplane, and an account of the first dirigible built for the English navy, are special articles of interest.

The usual news sections complete the number.

"Aeronautics"—March, 1911

The March number of *Aeronautics* was reviewed last month. At the time of going to press the April number had not yet put in an appearance and hence will be reviewed next month.

"Do they teach domestic science at your college?" inquired the visitor of the freshman.

"Only sewing," replied the freshman.

"Good idea," said the visitor; "and what do you sew, chiefly?"

"Wild oats," replied the freshman.—*Harper's Weekly.*

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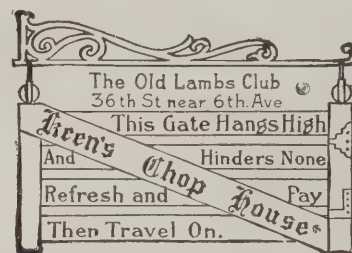
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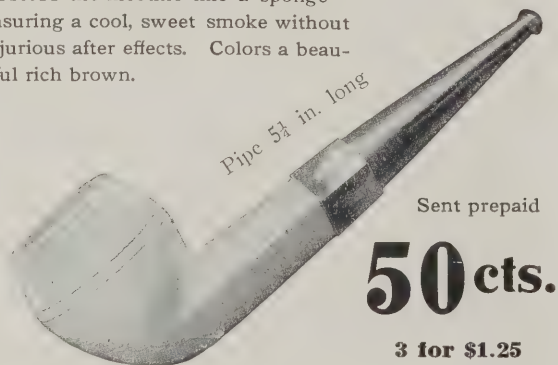
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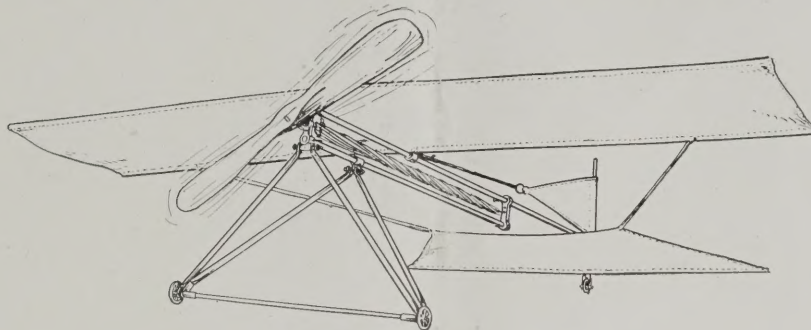
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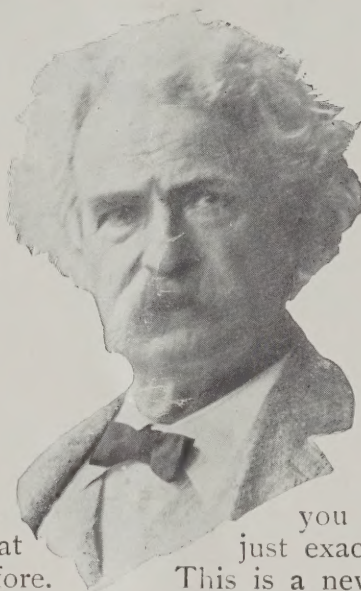
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Cleveland Special Dispatch.—Sept.—A well-known Wheeling, W. Va., chemist has succeeded in producing chunks of denatured alcohol in crystal form by means of a small infusion of certain acids, whereby crystals of an alkaloidal nature very closely resembling physiologically the effects of ethyl alcohol distilled from sawdust. The method employed and the results obtained are somewhat similar to the crystallizing of rock candy or that of saccharine, containing as it does 350 times the sweetening strength over that of cane sugar, so this alkaloidal crystallized alcohol contains many times the strength over the ordinary denatured fluid alcohol. They will yield 194 proof denatured alcohol with a greater heating and cooking power for stoves than gasoline, and it is absolutely non-explosive.

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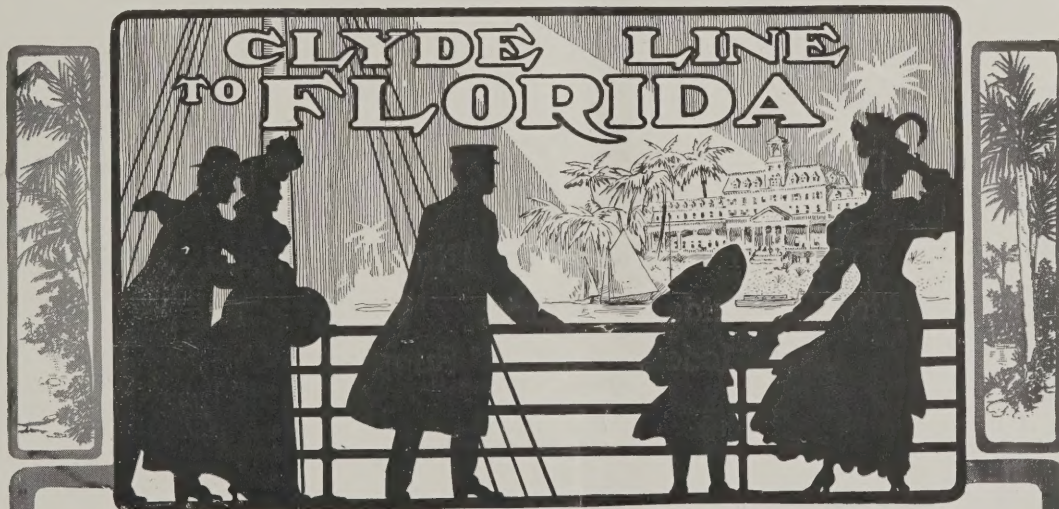
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